## antibodies -online.com







() () () ()	11011
Over	$\vee$ IC $\vee$ $\vee$
0.0.	

Overview	
Quantity:	0.1 mg
Target:	TREX1
Binding Specificity:	AA 220-270
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TREX1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffinembedded Sections) (IHC (p))
Product Details	
Immunogen:	TREX1 antibody was raised against a 15 amino acid synthetic peptide near the center of human
	TREX1. The immunogen is located within amino acids 220 - 270 of TREX1.
Isotype:	IgG
Specificity:	TREX1 antibody will not cross-react with the related protein TREX2. At least three isoforms of
	TREX1 are known to exist, this antibody will recognize all three isoforms.
Purification:	TREX1 Antibody is affinity chromatography purified via peptide column.
Target Details	
Target:	TREX1
Alternative Name:	TREX1 (TREX1 Products)

## Target Details

Background: TREX1 Antibody. Trex1 is the major human 3 to 5 exonuclease which is required for checkpoint signaling after DNA damage. It is ubiquitously expressed, binds to single stranded DNA costed with replication protein. A that accumulates at sites of DNA damage and recruits the ataxia telangicitasia and Rad1 related protein (ATR), a checkpoint kinase, to sites of DNA damage and replication stress. Trex1 is required for ATR expression. This gene uses two different open reading frames. The upstream ORF encodes proteins which interact with ATR and localize to intranuclear fool indused by DNA damage and are essential components of the DNA damage checkpoint. The downstream ORF encodes proteins with 3'to 5' exonuclease activity and may be a subunit of human DNA polymerase III. Mutations in this gene result in Alcard-Gouritieres syndrome, chilbiain lupus, and Cree encephalitis.  Molecular Weight: Predicted: 33, 35, 41 kDa  Observed: 31 kDa  Gene ID: 11277  NOSI Accession: NP_057465  UniProt: Q9NSU2  Pathways: Apoptosis  Application Details  Application Notes: TREX1 antibody can be used for detection of TREX1 by Western blot at 0.5 and 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.  Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and immunofluorescence in human samples. All other applications and species not yet tested.  Restrictions: For Research Use only  Handling  Format: Liquid  Concentration: 1 mg/mL  Buffer: TREX1 Antibody is supplied in PBS containing 0.02 % sodium azide.  Preservative: Sodium azide		
DNA coated with replication protein A that accumulates at sites of DNA damage and recruits the ataxia telangiectasia and Rad3 related protein (ATR), a checkpoint kinase, to sites of DNA damage and replication stress. Trex1 is required for ATR expression. This gene uses two different open reading frames. The upstream ORF encodes proteins which interact with ATR and localize to intranuclear foci induced by DNA damage and are essential components of the DNA damage checkpoint. The downstream ORF encodes proteins with 3' to 5' exonuclease activity and may be a subunit of human DNA polymerase III. Mutations in this gene result in Alcardi-Goutieres syndrome, chilbiain lupus, and Cree encephalitis.  Molecular Weight  Predicted: 33, 35, 41 kDa  Observed: 31 kDa  Gene ID: 11277  NCBI Accession: NP_05/465  UniProt: Q9NSU2  Pathways: Apoptosis  Application Notes: TREX1 antibody can be used for detection of TREX1 by Western blot at 0.5 and 1 μg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 μg/mL, For immunofluorescence start at 20 μg/mL.  Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.  Restrictions: For Research Use only  Handling  Format Liquid  Concentration: 1 mg/mL  Buffer: TREX1 Antibody is supplied in PBS containing 0.02% sodium azide.	Background:	
the ataxia telangiectasia and Rad3 related protein (ATR), a checkpoint kinase, to sites of DNA damage and replication stress. Trext is required for ATR expression. This gene uses two different open reading frames. The upstream ORF encodes proteins which interact with ATR and localize to intranuclear fool induced by DNA damage and are essential components of the DNA damage and are essential to DNA damage and the DNA damage and DNA damage and the DNA damage and the DNA damage and are essential to DNA damage and are essential to DNA damage and the DNA damage		
darrage and replication stress. Trex1 is required for ATR expression. This gene uses two different open reading frames. The upstream QRF encodes proteins which interact with ATR and localize to intranuclear foci induced by DNA damage and are essential components of the DNA damage checkpoint. The downstream QRF encodes proteins with 3' to 5' exonuclease activity and may be a subunit of human DNA polymerase III. Mutations in this gene result in Alcardi-Goutieres syndrome, chilblain lupus, and Cree encephalitis.  Molecular Weight: Predicted: 33, 35, 41 kDa  Observed: 31 kDa  Observed: 31 kDa  Gene ID: 11277  NCBI Accession: NP_057465  UniProt: O9NSU2  Pathways: Apoptosis  Application Details  Application Details  Application Notes: TREX1 antibody can be used for detection of TREX1 by Western blot at 0.5 and 1 µ.g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µ.g/mL. For immunofluorescence start at 20 µ.g/mL.  Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.  Restrictions: For Research Use only  Handling  Format: Liquid  Concentration: 1 mg/mL  Buffer: TREX1 Antibody is supplied in PBS containing 0.02 % sodium azide.		
different open reading frames. The upstream ORF encodes proteins which interact with ATR and localize to intranuclear foci induced by DNA damage and are essential components of the DNA damage checkpoint. The downstream ORF encodes proteins with 3' to 5' exonuclease activity and may be a subunit of human DNA polymerase III. Mutations in this gene result in Aicardi-Goutieres syndrome, chilbiain lupus, and Cree encephalitis.  Molecular Weight: Predicted: 33, 35, 41 kDa Observed: 31 kDa  Gene ID: 11277  NCBI Accession: NP_057465  UniProt: O9NSU2  Pathways: Apoptosis  Application Details  Application Notes: TREX1 antibody can be used for detection of TREX1 by Western blot at 0.5 and 1 µ.g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µ.g/mL. For immunofluorescence start at 20 µ.g/mL.  Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.  Restrictions: For Research Use only  Handling  Format: Liquid  Concentration: 1 mg/mL.  Buffer: TREX1 Antibody is supplied in PBS containing 0.02 % sodium azide.		
and localize to intranuclear foci induced by DNA damage and are essential components of the DNA damage checkpoint. The downstream ORF encodes proteins with 3' to 5' exonuclease activity and may be a subunit of human DNA polymerase III. Mutations in this gene result in Aicardi-Goutieres syndrome, chilblain lupus, and Cree encephalitis.  Molecular Weight: Predicted: 33, 35, 41 kDa  Observed: 31 kDa  Gene ID. 11277  NCBI Accession: NP 057465  UniProt: Q9NSU2  Pathways: Apoptosis  TREX1 antibody can be used for detection of TREX1 by Western blot at 0.5 and 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.  Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.  Restrictions: For Research Use only  Handling  Format: Liquid  Concentration: 1 mg/mL  Buffer: TREX1 Antibody is supplied in PBS containing 0.02 % sodium azide.		
DNA damage checkpoint. The downstream ORF encodes proteins with 3' to 5' exonuclease activity and may be a subunit of human DNA polymerase III. Mutations in this gene result in Alcardi-Goutieres syndrome, chilblain lupus, and Cree encephalitis.  Molecular Weight:  Predicted: 33, 35, 41 kDa  Observed: 31 kDa  Gene ID: 11277  NCBI Accession: NP.057465  UniProt: Q9NSU2  Pathways: Apoptosis  Application Details  Application Notes: TREX1 antibody can be used for detection of TREX1 by Western blot at 0.5 and 1 µ.g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µ.g/mL. For immunofluorescence start at 20 µ.g/mL.  Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.  Restrictions: For Research Use only  Handling  Format: Liquid  Concentration: 1 mg/mL  Buffer: TREX1 Antibody is supplied in PBS containing 0.02 % sodium azide.		
activity and may be a subunit of human DNA polymerase III. Mutations in this gene result in Alcardi-Goutieres syndrome, chilblain lupus, and Cree encephalitis.  Molecular Weight: Predicted: 33, 35, 41 kDa  Observed: 31 kDa  Gene ID: 11277  NCBI Accession: NP_057465  UniProt: Q9NSU2  Pathways: Apoptosis  Application Details  Application Notes: TREX1 antibody can be used for detection of TREX1 by Western blot at 0.5 and 1 µ.g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µ.g/mL. For immunofluorescence start at 20 µ.g/mL.  Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.  Restrictions: For Research Use only  Handling  Format: Liquid  Concentration: 1 mg/mL.  Buffer: TREX1 Antibody is supplied in PBS containing 0.02 % sodium azide.		
Aicardi-Goutieres syndrome, chilblain lupus, and Cree encephalitis.  Molecular Weight: Predicted: 33, 35, 41 kDa  Observed: 31 kDa  Gene ID: 11277  NCBI Accession: NP_057465  UniProt: Q9NSU2  Pathways: Apoptosis  Application Details  Application Notes: TREX1 antibody can be used for detection of TREX1 by Western blot at 0.5 and 1 µ,g/mL.  Antibody can also be used for immunohistochemistry starting at 2.5 µ,g/mL. For immunofluorescence start at 20 µ,g/mL.  Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.  Restrictions: For Research Use only  Handling  Format: Liquid  Concentration: 1 mg/mL  Buffer: TREX1 Antibody is supplied in PBS containing 0.02 % sodium azide.		
Molecular Weight: Predicted: 33, 35, 41 kDa  Observed: 31 kDa  Gene ID: 11277  NCBI Accession: NP_057465  UniProt: 09NSU2  Pathways: Apoptosis  Application Details  Application Notes: TREX1 antibody can be used for detection of TREX1 by Western blot at 0.5 and 1 µ,g/mL.  Antibody can also be used for immunohistochemistry starting at 2.5 µ,g/mL. For immunofluorescence start at 20 µ,g/mL.  Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.  Restrictions: For Research Use only  Handling  Format: Liquid  Concentration: 1 mg/mL  Buffer: TREX1 Antibody is supplied in PBS containing 0.02 % sodium azide.		
Gene ID: 11277  NCBI Accession: NP_057465  UniProt: Q9NSU2  Pathways: Apoptosis  Application Details  Application Notes: TREX1 antibody can be used for detection of TREX1 by Western blot at 0.5 and 1 µ,g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µ,g/mL. For immunofluorescence start at 20 µ,g/mL.  Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.  Restrictions: For Research Use only  Handling  Format: Liquid  Concentration: 1 mg/mL  Buffer: TREX1 Antibody is supplied in PBS containing 0.02 % sodium azide.		Alcardi-Goutieres syndrome, chilbiain lupus, and Cree encephalitis.
Gene ID:       11277         NCBI Accession:       NP_057465         UniProt:       Q9NSU2         Pathways:       Apoptosis         Application Details         Application Notes:       TREX1 antibody can be used for detection of TREX1 by Western blot at 0.5 and 1 μ,g/mL.	Molecular Weight:	Predicted: 33, 35, 41 kDa
NCBI Accession: NP_057465  UniProt: Q9NSU2  Pathways: Apoptosis  Application Details  Application Notes: TREX1 antibody can be used for detection of TREX1 by Western blot at 0.5 and 1 μ,g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 μ,g/mL. For immunofluorescence start at 20 μ,g/mL.  Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.  Restrictions: For Research Use only  Format: Liquid  Concentration: 1 mg/mL  Buffer: TREX1 Antibody is supplied in PBS containing 0.02 % sodium azide.		Observed: 31 kDa
UniProt:       Q9NSU2         Pathways:       Apoptosis         Application Details       TREX1 antibody can be used for detection of TREX1 by Western blot at 0.5 and 1 μ,g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 μ,g/mL. For immunofluorescence start at 20 μ,g/mL.         Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.         Restrictions:       For Research Use only         Handling         Format:       Liquid         Concentration:       1 mg/mL         Buffer:       TREX1 Antibody is supplied in PBS containing 0.02 % sodium azide.	Gene ID:	11277
Pathways:       Apoptosis         Application Details       TREX1 antibody can be used for detection of TREX1 by Western blot at 0.5 and 1 μ,g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 μ,g/mL. For immunofluorescence start at 20 μ,g/mL.         Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.         Restrictions:       For Research Use only         Handling       Liquid         Concentration:       1 mg/mL         Buffer:       TREX1 Antibody is supplied in PBS containing 0.02 % sodium azide.	NCBI Accession:	NP_057465
Application Details  Application Notes: TREX1 antibody can be used for detection of TREX1 by Western blot at 0.5 and 1 μ,g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 μ,g/mL. For immunofluorescence start at 20 μ,g/mL.  Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.  Restrictions: For Research Use only  Handling  Format: Liquid  Concentration: 1 mg/mL  Buffer: TREX1 Antibody is supplied in PBS containing 0.02 % sodium azide.	UniProt:	Q9NSU2
Application Notes:  TREX1 antibody can be used for detection of TREX1 by Western blot at 0.5 and 1 μ,g/mL.  Antibody can also be used for immunohistochemistry starting at 2.5 μ,g/mL. For immunofluorescence start at 20 μ,g/mL.  Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.  Restrictions:  For Research Use only  Handling  Format:  Liquid  Concentration:  1 mg/mL  Buffer:  TREX1 Antibody is supplied in PBS containing 0.02 % sodium azide.	Pathways:	Apoptosis
Antibody can also be used for immunohistochemistry starting at 2.5 µ,g/mL. For immunofluorescence start at 20 µ,g/mL.  Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.  Restrictions: For Research Use only  Handling  Format: Liquid  Concentration: 1 mg/mL  Buffer: TREX1 Antibody is supplied in PBS containing 0.02 % sodium azide.	Application Details	
immunofluorescence start at 20 µ,g/mL.  Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.  Restrictions: For Research Use only  Handling  Format: Liquid  Concentration: 1 mg/mL  Buffer: TREX1 Antibody is supplied in PBS containing 0.02 % sodium azide.	Application Notes:	TREX1 antibody can be used for detection of TREX1 by Western blot at 0.5 and 1 $\mu$ ,g/mL.
Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.  Restrictions: For Research Use only  Handling  Format: Liquid  Concentration: 1 mg/mL  Buffer: TREX1 Antibody is supplied in PBS containing 0.02 % sodium azide.		Antibody can also be used for immunohistochemistry starting at 2.5 $\mu$ ,g/mL. For
and Immunofluorescence in human samples. All other applications and species not yet tested.  Restrictions:  For Research Use only  Format:  Liquid  Concentration:  1 mg/mL  Buffer:  TREX1 Antibody is supplied in PBS containing 0.02 % sodium azide.		immunofluorescence start at 20 μ,g/mL.
Restrictions: For Research Use only  Handling  Format: Liquid  Concentration: 1 mg/mL  Buffer: TREX1 Antibody is supplied in PBS containing 0.02 % sodium azide.		Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples
Handling  Format: Liquid  Concentration: 1 mg/mL  Buffer: TREX1 Antibody is supplied in PBS containing 0.02 % sodium azide.		and Immunofluorescence in human samples. All other applications and species not yet tested.
Format:  Concentration:  1 mg/mL  Buffer:  TREX1 Antibody is supplied in PBS containing 0.02 % sodium azide.	Restrictions:	For Research Use only
Concentration: 1 mg/mL  Buffer: TREX1 Antibody is supplied in PBS containing 0.02 % sodium azide.	Handling	
Buffer: TREX1 Antibody is supplied in PBS containing 0.02 % sodium azide.	Format:	Liquid
	Concentration:	1 mg/mL
Preservative: Sodium azide	Buffer:	TREX1 Antibody is supplied in PBS containing 0.02 % sodium azide.
	Preservative:	Sodium azide

## Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,4 °C
Storage Comment:	TREX1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.