

Datasheet for ABIN6991040
anti-TREX2 antibody (C-Term)



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Overview

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| Quantity: | 0.1 mg |
| Target: | TREX2 (Trex2) |
| Binding Specificity: | C-Term |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This TREX2 antibody is un-conjugated |
| Application: | ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF) |

Product Details

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| Immunogen: | TREX2 antibody was raised against a 15 amino acid synthetic peptide near the carboxy terminus of human TREX2. The immunogen is located within the last 50 amino acids of TREX2. |
| Isotype: | IgG |
| Specificity: | This TREX2 antibody will not cross-react with the related protein TREX1. |
| Purification: | TREX2 Antibody is affinity chromatography purified via peptide column. |

Target Details

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|-------------------|--|
| Target: | TREX2 (Trex2) |
| Alternative Name: | TREX2 (Trex2 Products) |

Target Details

Background: TREX2 Antibody: TREX2 is one of two major human 3' to 5' exonucleases which are required for checkpoint signaling after DNA damage. While the related protein TREX1 is required for ATR expression and mutations in this gene result in Aicardi-Goutieres syndrome, chilblain lupus, and Cree encephalitis, less is known about TREX2. Like TREX1, TREX2 is ubiquitously expressed in all tissues examined. X-ray crystallography studies of TREX2-single strand DNA complexes revealed that TREX2 binds DNA as a dimer and may act to displace the second DNA strand, suggesting that TREX2 unzips and denatures double stranded DNA and feed the substrate DNA strand into the TREX2 active site. At least two isoforms of TREX2 are known to exist.

Gene ID: 11219

UniProt: [Q9BQ50](#)

Application Details

Application Notes: TREX2 antibody can be used for detection of TREX2 by Western blot at 2.5 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 rat 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: TREX2 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

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: TREX2 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.