

Datasheet for ABIN4886755
anti-TREX2 antibody (AA 69-279)



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1 Image

Overview

Quantity:	100 µg
Target:	TREX2 (Trex2)
Binding Specificity:	AA 69-279
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TREX2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-TREX2 Antibody Picoband®
Immunogen:	E. coli-derived human TREX2 recombinant protein (Position: E69-A279). Human TREX2 shares 88.6% amino acid (aa) sequence identity with mouse TREX2.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-TREX2 Antibody Picoband® (ABIN4886755). Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	TREX2 (Trex2)
Alternative Name:	TREX2 (Trex2 Products)
Background:	<p>Synonyms: Three prime repair exonuclease 2,3.1.11.2,3'-5' exonuclease TREX2,TREX2,</p> <p>Tissue Specificity: Detected in heart, breast, prostate, skeletal muscle, testis, uterus, bone marrow, colon, small intestine, stomach and thymus. .</p> <p>Background: Three prime repair exonuclease 2 is an enzyme that in humans is encoded by the TREX2 gene. By genomic sequence analysis, the TREX2 gene is mapped to chromosome Xq28. This gene encodes a protein with 3' exonuclease activity. Enzymes with this activity are involved in DNA replication, repair, and recombination. Similarity to an E. coli protein suggests that this enzyme may be a subunit of DNA polymerase III, which does not have intrinsic exonuclease activity.</p>
Molecular Weight:	37 kDa
Gene ID:	11219

Application Details

Application Notes:	<p>Western blot, 0.1-0.5 µg/mL, Human</p> <p>1. "Entrez Gene: TREX2 three prime repair exonuclease 2". 2. Mazur DJ, Perrino FW (Aug 1999). "Identification and expression of the TREX1 and TREX2 cDNA sequences encoding mammalian 3'→5' exonucleases". J Biol Chem 274 (28): 19655-60.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

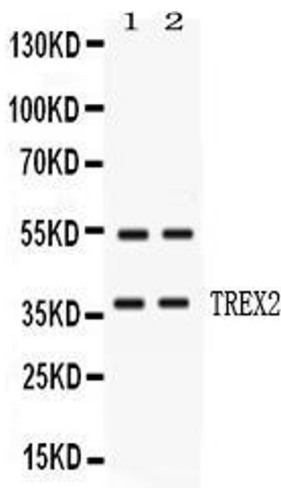
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg 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.
Handling Advice:	Avoid repeated freezing and thawing.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of TREX2 expression in HELA whole cell lysates (Lane 1) and MCF-7 whole cell lysates (Lane 2). TREX2 at 37KD was detected using rabbit anti- TREX2 Antigen Affinity purified polyclonal antibody (Catalog #) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).