

Datasheet for ABIN3043537
anti-TREX1 antibody (Middle Region)



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1 Image

Overview

| | |
|----------------------|--------------------------------------|
| Quantity: | 100 µg |
| Target: | TREX1 |
| Binding Specificity: | AA 156-185, Middle Region |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This TREX1 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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| Purpose: | Anti-TREX1 Antibody Picoband® |
| Immunogen: | A synthetic peptide corresponding to a sequence in the middle region of human TREX1, different from the related mouse sequence by four amino acids. |
| Sequence: | DDNLANLLLA FLRRQPQPWC LVAHNGDRYD |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins. |
| Characteristics: | Anti-TREX1 Antibody Picoband® (ABIN3043537). 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. |

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: TREX1

Alternative Name: TREX1 ([TREX1 Products](#))

Background: Synonyms: Three-prime repair exonuclease 1,3.1.11.2,3'-5' exonuclease TREX1,DNase III,TREX1,
Tissue Specificity: Detected in thymus, spleen, liver, brain, heart, small intestine and colon. .
Background: Three prime repair exonuclease 1 is an enzyme that in humans is encoded by the TREX1 gene. This gene encodes a nuclear protein with 3' exonuclease activity. The encoded protein may play a role in DNA repair and serve as a proofreading function for DNA polymerase. It is also a component of the SET complex, and acts to rapidly degrade 3' ends of nicked DNA during granzyme A-mediated cell death. Mutations in this gene result in Aicardi-Goutieres syndrome, chilblain lupus, Cree encephalitis, and other diseases of the immune system. Alternative splicing results in multiple transcript variants.

Molecular Weight: 33 kDa

Gene ID: 11277

Pathways: [Apoptosis](#)

Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL, Human
1. "Entrez Gene: TREX1 three prime repair exonuclease 1". 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.

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

Handling

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| 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. |
| 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.