

Anti-TREX2 Picoband Antibody

Catalog # ABO11723

Specification

Anti-TREX2 Picoband Antibody - Product Information

ApplicationWBPrimary AccessionO9BO50HostRabbitReactivityHumanClonalityPolyclonalFormatLyophilizedDescriptionRabbit IgG polyclonal antibody for Three prime repair exonuclease 2(TREX2) detection. Tested with WB in Human.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-TREX2 Picoband Antibody - Additional Information

Gene ID 11219

Other Names Three prime repair exonuclease 2, 3.1.11.2, 3'-5' exonuclease TREX2, TREX2

Calculated MW 30621 MW KDa

Application Details Western blot, 0.1-0.5 μg/ml, Human

Subcellular Localization Nucleus .

Tissue Specificity Detected in heart, breast, prostate, skeletal muscle, testis, uterus, bone marrow, colon, small intestine, stomach and thymus.

Protein Name Three prime repair exonuclease 2

Contents Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen E. coli-derived human TREX2 recombinant protein (Position: E69-A279). Human TREX2 shares 88.6% amino acid (aa) sequence identity with mouse TREX2.

Purification



Immunogen affinity purified.

Cross Reactivity No cross reactivity with other proteins.

Storage

At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.

Anti-TREX2 Picoband Antibody - Protein Information

Name TREX2

Function

Exonuclease with a preference for double-stranded DNA with mismatched 3' termini. May play a role in DNA repair.

Cellular Location Nucleus.

Tissue Location

Detected in heart, breast, prostate, skeletal muscle, testis, uterus, bone marrow, colon, small intestine, stomach and thymus.

Anti-TREX2 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-TREX2 Picoband Antibody - Images





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 # ABO11723) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method .

Anti-TREX2 Picoband Antibody - 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.