

Anti-TREX2 Picoband Antibody

Catalog # ABO11723

Product Information

Application	WB
Primary Accession	Q9BQ50
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit 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.

Additional Information

Gene ID	11219
Other Names	Three prime repair exonuclease 2, 3.1.11.2, 3'-5' exonuclease TREX2, TREX2
Calculated MW	25922
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. .
Source	Eukaryota
Protein Name	Three prime repair exonuclease 2
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
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 reconstitution, 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.

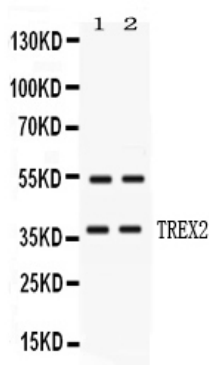
Protein Information

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.

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.

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 µg/mL. The blot was developed using chemiluminescence (ECL) method .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.