
TREX2 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254002

Unit: 0.1 mg

Description:

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. This TREX2 antibody will not cross-react with the related protein TREX1.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: TREX2; Three prime repair exonuclease 2

Accession No.: Q9BQ50

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human TREX2.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.