

Rabbit TREX1 Polyclonal Antibody | anti-TREX1 antibody

TREX1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA301072	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

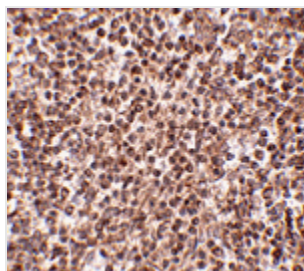
PRODUCT SYNONYMS

TREX1; Polyclonal Antibody; TREX1 Antibody; Three prime repair exonuclease 1; CRV; AGS1; DRN3; HERNS; anti-TREX1 antibody

PRODUCT SPECIFICATIONS

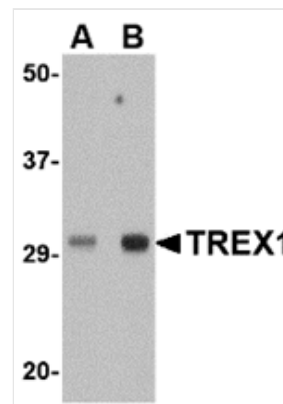
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	TREX1 antibody will not cross-react with the related protein TREX2.
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Sequence Length	369
Applicable Applications for anti-TREX1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 15 amino acid peptide near the center of human TREX1.
Target Name	TREX1
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of TREX1 in human spleen tissue with TREX1 antibody at 2.5 ug/mL.



WB (Western Blot)

Western blot analysis of TREX1 in human spleen tissue lysate with TREX1 antibody at (A) 0.5 ug/mL and (B) 1 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-TREX1 antibody	Trex1 (ATRIP) is the major human 3' to 5' exonuclease which is required for checkpoint signaling after DNA damage. It is ubiquitously expressed, binds to single stranded DNA coated with replication protein A that accumulates at sites of DNA damage and recruits the ataxia telangiectasia and Rad3 related protein (ATR), a checkpoint kinase, to sites of DNA damage and replication stress. Trex1 is required for ATR expression. This gene uses two different open reading frames. The upstream ORF encodes proteins which interact with ATR and localize to intranuclear foci induced by DNA damage and are essential components of the DNA damage checkpoint. The downstream ORF encodes proteins with 3' to 5' exonuclease activity and may be a subunit of human DNA polymerase III. Multiple transcript variants encoding different isoforms have been found. Mutations in this gene result in Aicardi-Goutieres syndrome, chilblain lupus, and Cree encephalitis.
Product Categories/Family for anti-TREX1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	7705353
NCBI GeneID	11277
NCBI Accession #	NP_057465
NCBI GenBank Nucleotide #	NM_016381.5
NCBI Official Full Name	three-prime repair exonuclease 1 isoform a
NCBI Official Synonym Full Names	three prime repair exonuclease 1
NCBI Official Symbol	TREX1
NCBI Official Synonym Symbols	CRV; AGS1; DRN3; HERNS
NCBI Protein Information	three-prime repair exonuclease 1
UniProt Protein Name	Three-prime repair exonuclease 1
UniProt Gene Name	TREX1
UniProt Entry Name	TREX1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.