

Rabbit TREX1 Polyclonal Antibody | anti-TREX1 antibody

TREX1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39671	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

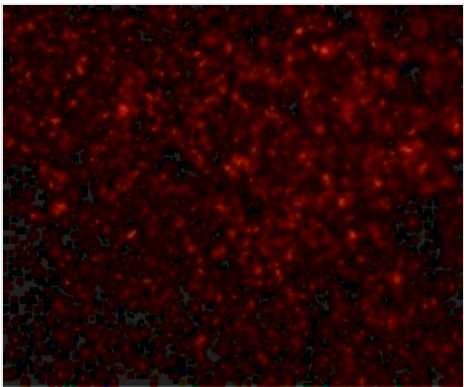
PRODUCT SYNONYMS

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

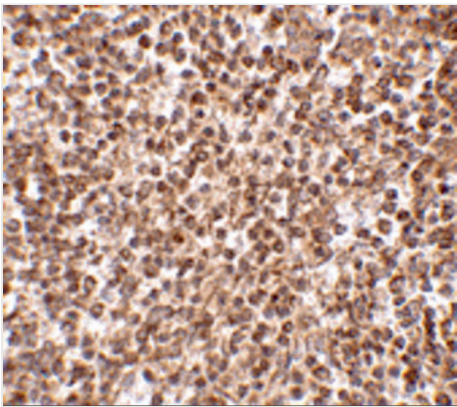
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TREX1 antibody will not cross-react with the related protein TREX2.
Purity/Purification	TREX1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	369
Applicable Applications for anti-TREX1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	TREX1 antibody was raised against a 15 amino acid synthetic peptide near the center of human TREX1.
Buffer	TREX1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	TREX1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to 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.

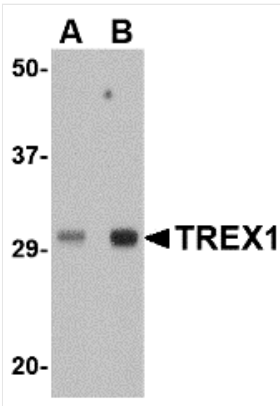
IMAGES



IF (Immunofluorescence)
Immunofluorescence of TREX1 in Human Spleen tissue with TREX1 antibody at 20 μg/mL.



IHC (Immunohiostchemistry)
Immunohistochemistry of TREX1 in human spleen tissue with TREX1 antibody at 2.5 μg/mL.



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

ADDITIONAL INFORMATION

Related Product Information for anti-TREX1 antibody

TREX1 Antibody: Trex1 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7705353
NCBI GeneID	11277
NCBI Accession #	NP_057465
NCBI GenBank Nucleotide #	NM_016381.5
UniProt Accession #	Q9NSU2; Q8TEU2; Q9BPW1; Q9Y4X2; B2RCN9
Molecular Weight	33,212 Da

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; DNase III; deoxyribonuclease III; 3' repair exonuclease 1; 3'-5' exonuclease TREX1
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/trex1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39671>