

Rabbit anti-Human TREX1 Monoclonal Antibody | anti-TREX1 antibody

TREX1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30483	Rabbit	Human	Western Blot, Immunocytochemistry, Immunofluorescence, Immunohistochemistry

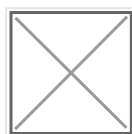
PRODUCT SYNONYMS

TREX1; Monoclonal Antibody; TREX1 Antibody; 3' 5' exonuclease TREX1 antibody; 3' repair exonuclease 1 antibody; AGS1 antibody; AGS5 antibody; CRV antibody; Deoxyribonuclease III; dnaQ/mutD (E. coli) like antibody; DKFZp434J0310 antibody; DNase III antibody; DRN3 antibody; HERNS antibody; Three prime repair exonuclease 1 antibody; TREX1 antibody; anti-TREX1 antibody

PRODUCT SPECIFICATIONS

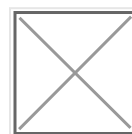
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	JG35-71
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-TREX1 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 ICC: 1:50-1:200
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein within human TREX1 aa 100-300.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



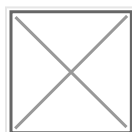
ICC (Immunocytochemistry)

ICC staining TREX1 in SiHa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



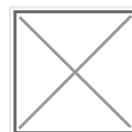
ICC (Immunocytochemistry)

ICC staining TREX1 in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining TREX1 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue using anti-TREX1 antibody. Counter stained with hematoxylin.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human colon tissue using anti-TREX1 antibody. Counter stained with hematoxylin.

**WB (Western Blot)**

Western blot analysis of TREX1 on different cell lysates using anti-TREX1 at 1/500 dilution. Positive control: 1/2 Line 1: A431 Line 2: SK-Br-3

ADDITIONAL INFORMATION

Related Product Information for anti-TREX1 antibody	Major cellular 3'-to-5' DNA exonuclease which digests single-stranded DNA (ssDNA) and double-stranded DNA (dsDNA) with mismatched 3' termini. Prevents cell-intrinsic initiation of autoimmunity. Acts by metabolizing DNA fragments from endogenous retroelements, including L1, LTR and SINE elements. Unless degraded, these DNA fragments accumulate in the cytosol and activate the IFN-stimulatory DNA (ISD) response and innate immune signaling. Prevents chronic ATM-dependent checkpoint activation, by processing ssDNA polynucleotide species arising from the processing of aberrant DNA replication intermediates. Inefficiently degrades oxidized DNA, such as that generated upon antimicrobial reactive oxygen production or upon absorption of UV light. During GZMA-mediated cell death, contributes to DNA damage in concert with NME1. NME1 nicks one strand of DNA and TREX1 removes bases from the free 3' end to enhance DNA damage and prevent DNA end reannealing and rapid repair.
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
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; HERN5
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/trex1-antibody-clone-jg35-71-western-blot-immunocytochemistry-immunofluorescence-immunohistochemistry-elisa/30483>