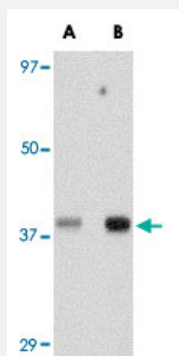


TREX1 polyclonal antibody

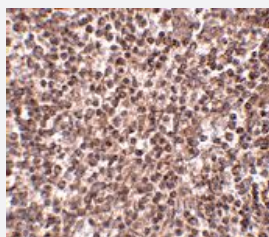
Catalog # PAB16681 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of TREX1 in human spleen tissue lysate with TREX1 polyclonal antibody (Cat # PAB16681) at (A) 0.5 ug/mL and (B) 1 ug/mL .



Immunohistochemistry

Immunohistochemistry of TREX1 in human spleen tissue with TREX1 polyclonal antibody (Cat # PAB16681) at 2.5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of TREX1.
Immunogen	A synthetic peptide corresponding to internal region 15 amino acids of human TREX1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of TREX1 in human spleen tissue lysate with TREX1 polyclonal antibody (Cat # PAB16681) at (A) 0.5 ug/mL and (B) 1 ug/mL .

- Immunohistochemistry

Immunohistochemistry of TREX1 in human spleen tissue with TREX1 polyclonal antibody (Cat # PAB16681) at 2.5 ug/mL .

- Enzyme-linked Immunoabsorbent Assay

Gene Info — TREX1

Entrez GeneID	11277
Protein Accession#	NP_057465
Gene Name	TREX1
Gene Alias	AGS1, AGS5, CRV, DKFZp434J0310, DRN3, HERN5
Gene Description	three prime repair exonuclease 1
Omim ID	192315 225750 606609 610448 610905
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the major 3'->5' DNA exonuclease in human cells. The protein is a non-processive exonuclease that may serve a proofreading function for a human DNA polymerase. It is also a component of the SET complex, and acts to rapidly degrade 3' ends of nicked DNA during granzyme A-mediated cell death. Mutations in this gene result in Aicardi-Goutieres syndrome, chilblain lupus, and Cree encephalitis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	3' repair exonuclease 1 OTTHUMP00000164813 deoxyribonuclease III, dnaQ/mutD-like

Publication Reference

- [Mendelian adult-onset leukodystrophy genes in Alzheimer's disease: critical influence of CSF1R and NOTCH3.](#)

Sassi C, Nalls MA, Ridge PG, Gibbs JR, Lupton MK, Troakes C, Lunnon K, Al-Sarraj S, Brown KS, Medway C, Lord J, Turton J, Bras J; ARUK Consortium, Blumenau S, Thielke M, Josties C, Freyer D, Dietrich A, Hammer M, Baier M, Dirnagl U, Morgan K, Powell JF, Kauwe JS, Cruchaga C, Goate AM, Singleton AB, Guerreiro R, Hodges A, Hardy J.

Neurobiology of Aging 2018 Jun; 66:179.e17.

Application: IHC, Mouse, Cortex

- [Trex1 prevents cell-intrinsic initiation of autoimmunity.](#)

Stetson DB, Ko JS, Heidmann T, Medzhitov R.

Cell 2008 Aug; 134(4):587.

Application: WB-Tr, Mouse, Mouse marrow-derived macrophages

- [ATR and ATRIP: partners in checkpoint signaling.](#)

Cortez D, Guntuku S, Qin J, Elledge SJ.

Science 2001 Nov; 294(5547):1713.

- [Structure and expression of the TREX1 and TREX2 3' --> 5' exonuclease genes.](#)

Mazur DJ, Perrino FW.

The Journal of Biological Chemistry 2001 May; 276(18):14718.

Disease

- [Adenocarcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)
- [Myositis](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)