

For Research Use Only

TREX1 Polyclonal antibody

Catalog Number: 24876-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

24876-1-AP

Size:

150ul, Concentration: 750 ug/ml by Nanodrop and 347 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18325

GenBank Accession Number:

BC023630

GeneID (NCBI):

11277

UNIPROT ID:

Q9NSU2

Full Name:

three prime repair exonuclease 1

Calculated MW:

369 aa, 39 kDa

Observed MW:

32-39 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

Cited Species:

human, bovine

Positive Controls:

WB : HeLa cells, HepG2 cells

IP : HeLa cells,

IF/ICC : HeLa cells,

Background Information

TREX1 (three prime repair exonuclease 1), also known as trophoblast expressed 1, CRV, AGS1, AGS5, DRN3, HERNS or DNase III, is a member of the exonuclease superfamily and belongs to the TREX family. TREX1 may play a role in DNA repair. TREX1 is expressed in thymus, spleen, liver, brain, heart, small intestine and colon. Mutations or defects in the gene encoding TREX1 have been associated with a variety of diseases, including systemic lupus erythematosus, chilblain lupus (CHBL), Aicardi-Goutieres syndrome type 1 (AGS1) and type 5 (AGS5).

Notable Publications

Author	Pubmed ID	Journal	Application
Rie Saito	30561700	J Neuropathol Exp Neurol	
Miaomiao Yang	38791317	Int J Mol Sci	WB
Yan Li	38329876	Cell Rep	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

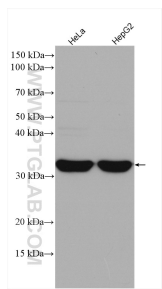
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

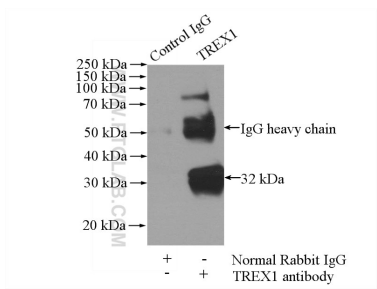
E: proteintech@ptglab.com
W: ptglab.com

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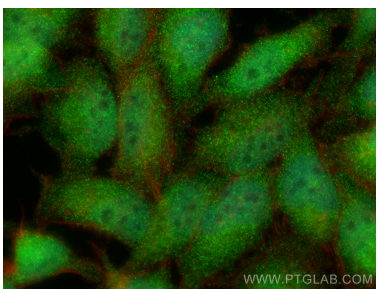
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24876-1-AP (TREX1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP result of anti-TREX1 (IP:24876-1-AP, 4ug; Detection:24876-1-AP 1:300) with HeLa cells lysate 1200ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TREX1 antibody (24876-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).