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TRIM4 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13289a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9C037
Other Accession	NP_148977.2, NP_149082.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33253
Calculated MW	57461
Antigen Region	112-141

Additional Information

Gene ID	89122
Other Names	E3 ubiquitin-protein ligase TRIM4, 632-, RING finger protein 87, Tripartite motif-containing protein 4, TRIM4, RNF87
Target/Specificity	This TRIM4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 112-141 amino acids from the N-terminal region of human TRIM4.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TRIM4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TRIM4
Synonyms	RNF87
Function	E3 ubiquitin-protein ligase. Mediates 'Lys-63'-linked polyubiquitination of

the innate immune receptor RIGI, this linkage doesn't lead to proteasomal degradation but seems to enhance IFN induction.

Cellular Location Cytoplasm.

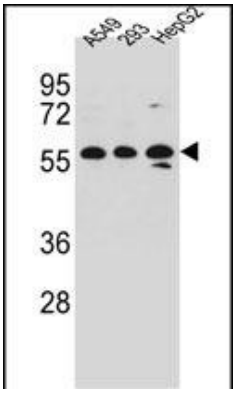
Background

The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The protein localizes to cytoplasmic bodies. Its function has not been identified. Alternatively spliced transcript variants that encode different isoforms have been described.

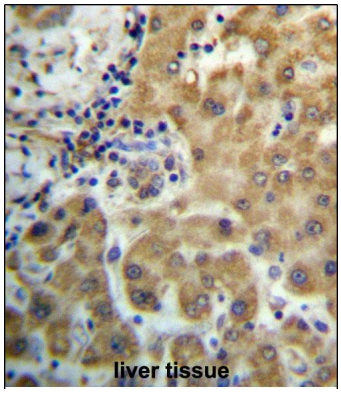
References

Kasyapa, C., et al. Proteomics 9(16):3979-3988(2009)
Li, X., et al. Virology 360(2):419-433(2007)
Thompson, E.E., et al. Pharmacogenomics J. 6(2):105-114(2006)
Reymond, A., et al. EMBO J. 20(9):2140-2151(2001)

Images



TRIM4 Antibody (N-term) (Cat. #AP13289a) western blot analysis in A549,293,HepG2 cell line lysates (35ug/lane).This demonstrates the TRIM4 antibody detected the TRIM4 protein (arrow).



TRIM4 Antibody (N-term) (Cat. #AP13289a)immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of TRIM4 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Citations

- SARS-CoV-2 Nsp8 suppresses MDA5 antiviral immune responses by impairing TRIM4-mediated K63-linked polyubiquitination

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.