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TRIM11 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13284B

Product Information

Application	WB, IHC-P, E
Primary Accession	Q96F44
Other Accession	B1H278, A0JN74, NP_660215.1
Reactivity	Human
Predicted	Bovine, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33239
Calculated MW	52774
Antigen Region	300-329

Additional Information

Gene ID	81559
Other Names	E3 ubiquitin-protein ligase TRIM11, 632-, Protein BIA1, RING finger protein 92, Tripartite motif-containing protein 11, TRIM11, RNF92
Target/Specificity	This TRIM11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 300-329 amino acids from the C-terminal region of human TRIM11.
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	TRIM11 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TRIM11 {ECO:0000303|PubMed:16904669, ECO:0000312|HGNC:HGNC:16281}
Function	E3 ubiquitin-protein ligase that promotes the degradation of insoluble

ubiquitinated proteins, including insoluble PAX6, poly-Gln repeat expanded HTT and poly-Ala repeat expanded ARX (By similarity). Mediates PAX6 ubiquitination leading to proteasomal degradation, thereby modulating cortical neurogenesis (By similarity). May also inhibit PAX6 transcriptional activity, possibly in part by preventing the binding of PAX6 to its consensus sequences (By similarity). May contribute to the regulation of the intracellular level of HN (humanin) or HN-containing proteins through the proteasomal degradation pathway (By similarity). Mediates MED15 ubiquitination leading to proteasomal degradation (PubMed:16904669). May contribute to the innate restriction of retroviruses (PubMed:18248090). Upon overexpression, reduces HIV-1 and murine leukemia virus infectivity, by suppressing viral gene expression (PubMed:18248090). Antiviral activity depends on a functional E3 ubiquitin-protein ligase domain (PubMed:18248090). May regulate TRIM5 turnover via the proteasome pathway, thus counteracting the TRIM5-mediated cross-species restriction of retroviral infection at early stages of the retroviral life cycle (PubMed:18248090). Acts as an inhibitor of the AIM2 inflammasome by promoting autophagy-dependent degradation of AIM2 (PubMed:27498865). Mechanistically, undergoes autoubiquitination upon DNA stimulation, promoting interaction with AIM2 and SQSTM1/p62, leading to AIM2 recruitment to autophagosomes (PubMed:27498865).

Cellular Location Cytoplasm. Nucleus

Tissue Location Ubiquitous..

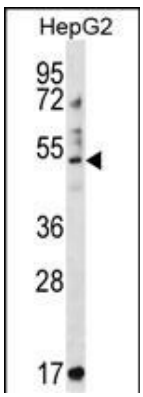
Background

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. This protein localizes to the nucleus and the cytoplasm. Its function has not been identified. [provided by RefSeq].

References

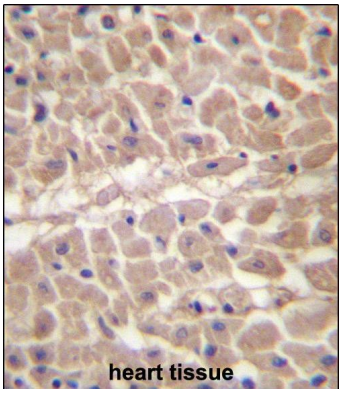
Aurino, S., et al. Acta Myol 27, 90-97 (2008) :
Hong, S.J., et al. Biochem. Biophys. Res. Commun. 368(3):650-655(2008)
Uchil, P.D., et al. PLoS Pathog. 4 (2), E16 (2008) :
Ishikawa, H., et al. FEBS Lett. 580(20):4784-4792(2006)
Cooper, S.T., et al. BMC Genet. 6, 43 (2005) :

Images



TRIM11 Antibody (C-term) (Cat. #AP13284b) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the TRIM11 antibody detected the TRIM11 protein (arrow).

TRIM11 Antibody (C-term) (Cat. #AP13284b)immunohistochemistry analysis in formalin



fixed and paraffin embedded human heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of TRIM11 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Citations

- Cutaneous Melanocytoma With CRTC1-TRIM11 Fusion: Report of 5 Cases Resembling Clear Cell Sarcoma.

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