

TRIM41 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17387b**Specification**

TRIM41 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O8WV44
Other Accession	NP_963921.1 , NP_291027.3
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	71670
Antigen Region	567-596

TRIM41 Antibody (C-term) - Additional Information**Gene ID** 90933**Other Names**

E3 ubiquitin-protein ligase TRIM41, 632-, RING finger-interacting protein with C kinase, RINCK, Tripartite motif-containing protein 41, TRIM41, RINCK

Target/Specificity

This TRIM41 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 567-596 amino acids from the C-terminal region of human TRIM41.

Dilution

WB~~1:1000

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

TRIM41 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TRIM41 Antibody (C-term) - Protein Information**Name** TRIM41 {ECO:0000303|PubMed:16022281, ECO:0000312|HGNC:HGNC:19013}**Function** E3 ligase that plays essential roles in innate antiviral response (PubMed:[28169297](#),

PubMed:[29760876](#), PubMed:[29899090](#), PubMed:[31979016](#)). Directly binds to influenza A virus or vesicular stomatitis virus nucleoproteins and targets them for ubiquitination and proteasomal degradation, thereby limiting viral infections (PubMed:[29899090](#), PubMed:[31979016](#), PubMed:[28169297](#)). Activates the innate antiviral response by catalyzing monoubiquitination of CGAS, thereby activating CGAS (PubMed:[29760876](#)). Also involved in innate antiviral response by mediating 'Lys-63'-linked polyubiquitylation of BCL10 which in turn hubs NEMO for activation of NF-kappa-B and IRF3 pathways (By similarity). Catalyzes the ubiquitin-mediated degradation of other substrates including protein kinase C, ZSCAN21 or TOP3B suggesting additional roles besides its function in immune response (PubMed:[17893151](#), PubMed:[33378676](#)).

Cellular Location

Cytoplasm. Nucleus

Tissue Location

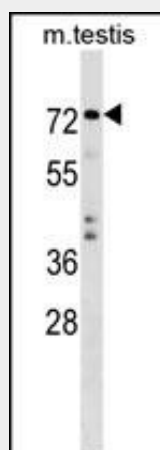
Expressed in multiple tissues with the highest levels in heart and skeletal muscle.

TRIM41 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TRIM41 Antibody (C-term) - Images



TRIM41 Antibody (C-term) (Cat. #AP17387b) western blot analysis in mouse testis tissue lysates (35ug/lane). This demonstrates the TRIM41 antibody detected the TRIM41 protein (arrow).

TRIM41 Antibody (C-term) - Background

TRIM41 belongs to a family of tripartite motif (TRIM) proteins defined as containing a RING finger, one or more B-box domains, and a coiled-coil region (Tanaka et al., 2005 [PubMed 16022281]). See TRIM45 (MIM 609318).

TRIM41 Antibody (C-term) - References

Chen, D., et al. J. Biol. Chem. 282(46):33776-33787(2007)
Nousiainen, M., et al. Proc. Natl. Acad. Sci. U.S.A. 103(14):5391-5396(2006)
Nousiainen, M., et al. Proc. Natl. Acad. Sci. U.S.A. 103(14):5391-5396(2006)
Tanaka, M., et al. Mol. Biol. Rep. 32(2):87-93(2005)
Wan, D., et al. Proc. Natl. Acad. Sci. U.S.A. 101(44):15724-15729(2004)