

**TRIM45 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13645b****Specification**

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**TRIM45 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q9H8W5</a>
Other Accession	<a href="#">Q6PFY8</a> , <a href="#">NP_001139107.1</a> , <a href="#">NP_079464.2</a>
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	64359
Antigen Region	389-417

**TRIM45 Antibody (C-term) - Additional Information****Gene ID** 80263**Other Names**

Tripartite motif-containing protein 45, RING finger protein 99, TRIM45, RNF99

**Target/Specificity**

This TRIM45 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 389-417 amino acids from the C-terminal region of human TRIM45.

**Dilution**

WB~~1:1000

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**

TRIM45 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TRIM45 Antibody (C-term) - Protein Information****Name** TRIM45**Synonyms** RNF99

**Function** E3 ubiquitin-protein ligase that plays a role in the regulation of inflammatory response (PubMed:[36681779](#)). Mechanistically, mediates the 'Lys-48'-linked polyubiquitination of TAB2, a regulatory protein of the kinase TAK1, leading to its degradation via the proteasomal pathway and inhibition of the TLR-mediated inflammatory immune response (PubMed:[36681779](#)). May act as a transcriptional repressor in mitogen-activated protein kinase signaling pathway.

**Cellular Location**

Cytoplasm. Nucleus

**Tissue Location**

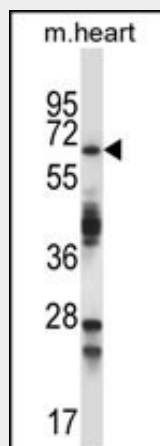
Expressed in skeletal muscle, brain, heart and pancreas.

**TRIM45 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](#)

**TRIM45 Antibody (C-term) - Images**



TRIM45 Antibody (C-term) (Cat. #AP13645b) western blot analysis in mouse heart tissue lysates (35ug/lane). This demonstrates the TRIM45 antibody detected the TRIM45 protein (arrow).

**TRIM45 Antibody (C-term) - Background**

This gene encodes a member of the tripartite motif family. The encoded protein may function as a transcriptional repressor of the mitogen-activated protein kinase pathway. Alternatively spliced transcript variants have been described.

**TRIM45 Antibody (C-term) - References**

Sardiello, M., et al. BMC Evol. Biol. 8, 225 (2008) :

Wang, Y., et al. Biochem. Biophys. Res. Commun. 323(1):9-16(2004)