

**TRIM45 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13645b****Specification**

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**TRIM45 Antibody (C-term) Blocking peptide - Product Information**Primary Accession [Q9H8W5](#)**TRIM45 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 80263**Other Names**

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

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13645b was selected from the C-term region of TRIM45. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

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

E3 ubiquitin-protein ligase that plays a role in the regulation of inflammatory response (PubMed:<a href="http://www.uniprot.org/citations/36681779" target="\_blank">36681779</a>). 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:<a href="http://www.uniprot.org/citations/36681779" target="\_blank">36681779</a>). 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) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**TRIM45 Antibody (C-term) Blocking peptide - Images****TRIM45 Antibody (C-term) Blocking peptide - 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) Blocking peptide - References**

Sardiello, M., et al. BMC Evol. Biol. 8, 225 (2008) :Wang, Y., et al. Biochem. Biophys. Res. Commun. 323(1):9-16(2004)