

**TRIM69 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12108a****Specification**

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**TRIM69 Antibody (N-term) Blocking peptide - Product Information**Primary Accession [Q86WT6](#)**TRIM69 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 140691**Other Names**

E3 ubiquitin-protein ligase TRIM69, 632-, RFP-like domain-containing protein trimless, RING finger protein 36, Tripartite motif-containing protein 69, TRIM69, RNF36

**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.

**TRIM69 Antibody (N-term) Blocking peptide - Protein Information****Name** TRIM69**Synonyms** RNF36**Function**

E3 ubiquitin ligase that plays an important role in antiviral immunity by restricting different viral infections including dengue virus or vesicular stomatitis indiana virus (PubMed:<a href="http://www.uniprot.org/citations/23131556" target="\_blank">23131556</a>, PubMed:<a href="http://www.uniprot.org/citations/30142214" target="\_blank">30142214</a>, PubMed:<a href="http://www.uniprot.org/citations/31375575" target="\_blank">31375575</a>, PubMed:<a href="http://www.uniprot.org/citations/31578292" target="\_blank">31578292</a>). Ubiquitinates viral proteins such as dengue virus NS3 thereby limiting infection (PubMed:<a href="http://www.uniprot.org/citations/30844644" target="\_blank">30844644</a>). In addition, acts as a key mediator of type I interferon induced microtubule stabilization by directly associating to microtubules independently of its E3 ligase activity (PubMed:<a href="http://www.uniprot.org/citations/36251989" target="\_blank">36251989</a>). Plays also a role in cataract formation together with TP53 (PubMed:<a href="http://www.uniprot.org/citations/30844644" target="\_blank">30844644</a>). Mechanistically, inhibits UVB-induced cell apoptosis and reactive oxygen species (ROS) production by inducing TP53 ubiquitination (PubMed:<a href="http://www.uniprot.org/citations/30844644" target="\_blank">30844644</a>)

target="\_blank">30844644</a>). Regulates centrosome dynamics and mitotic progression by ubiquitinating STK3/MST2; leading to its redistribution to the perinuclear cytoskeleton and subsequent phosphorylation by PLK1 (PubMed:<a href="http://www.uniprot.org/citations/37739411" target="\_blank">37739411</a>).

#### **Cellular Location**

Cytoplasm. Nucleus. Nucleus speckle. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Note=Adopts a filamentous distribution in the cell cytoplasm where it strongly colocalizes with stable microtubules

#### **TRIM69 Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **TRIM69 Antibody (N-term) Blocking peptide - Images**

#### **TRIM69 Antibody (N-term) Blocking peptide - Background**

This gene encodes a member of the RING-B-box-coiled-coil(RBCC) family and encodes a protein with an N-terminal RING finger motif, a PRY domain and a C-terminal SPRY domain. The mouse ortholog of this gene is specifically expressed in germ cells at the round spermatid stages during spermatogenesis and, when overexpressed, induces apoptosis. Alternatively spliced transcript variants encoding distinct isoforms have been described. It may play a role in apoptosis (By similarity).

#### **TRIM69 Antibody (N-term) Blocking peptide - References**

Shimada, M., et al. Hum. Genet. 128(4):433-441(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Shyu, H.W., et al. Exp. Cell Res. 287(2):301-313(2003) Shyu, H.W., et al. Mech. Dev. 108 (1-2), 213-216 (2001) :Venter, J.C., et al. Science 291(5507):1304-1351(2001)