

**TRIM69 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP12108a****Specification**

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**TRIM69 Antibody (N-term) - Product Information**

|                   |                                                                                    |
|-------------------|------------------------------------------------------------------------------------|
| Application       | WB, IHC-P,E                                                                        |
| Primary Accession | <a href="#">Q86WT6</a>                                                             |
| Other Accession   | <a href="#">Q5BK82</a> , <a href="#">NP_542783.2</a> , <a href="#">NP_892030.3</a> |
| Reactivity        | Mouse                                                                              |
| Predicted         | Rat                                                                                |
| Host              | Rabbit                                                                             |
| Clonality         | Polyclonal                                                                         |
| Isotype           | Rabbit IgG                                                                         |
| Calculated MW     | 57419                                                                              |
| Antigen Region    | 101-129                                                                            |

**TRIM69 Antibody (N-term) - 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

**Target/Specificity**

This TRIM69 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 101-129 amino acids from the N-terminal region of human TRIM69.

**Dilution**

WB~~1:1000

IHC-P~~1:10~50

**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**

TRIM69 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TRIM69 Antibody (N-term) - 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:[23131556](#), PubMed:[30142214](#), PubMed:[31375575](#), PubMed:[31578292](#)). Ubiquitinates viral proteins such as dengue virus NS3 thereby limiting infection (PubMed:[30844644](#)). 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:[36251989](#)). Plays also a role in cataract formation together with TP53 (PubMed:[30844644](#)). Mechanistically, inhibits UVB-induced cell apoptosis and reactive oxygen species (ROS) production by inducing TP53 ubiquitination (PubMed:[30844644](#)). Regulates centrosome dynamics and mitotic progression by ubiquitinating STK3/MST2; leading to its redistribution to the perinuclear cytoskeleton and subsequent phosphorylation by PLK1 (PubMed:[37739411](#)).

## Cellular Location

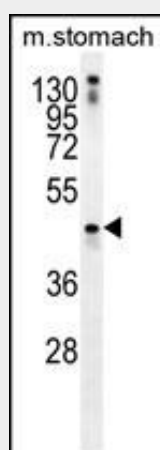
Cytoplasm. Nucleus. Nucleus speckle. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Note=Adopts a filamentous distribution in the cell cytoplasm where it strongly colocalizes with stable microtubules

## TRIM69 Antibody (N-term) - Protocols

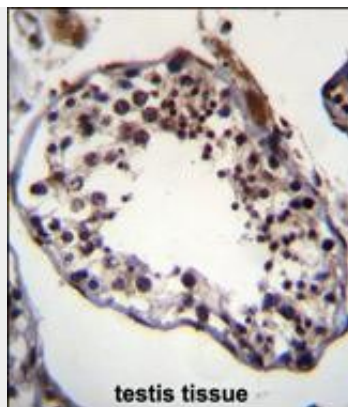
Provided below are standard protocols that you may find useful for product applications.

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

## TRIM69 Antibody (N-term) - Images



TRIM69 Antibody (N-term) (Cat. #AP12108a) western blot analysis in mouse stomach tissue lysates (35ug/lane). This demonstrates the TRIM69 antibody detected the TRIM69 protein (arrow).



TRIM69 Antibody (N-term) (Cat. #AP12108a) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of TRIM69 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **TRIM69 Antibody (N-term) - 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) - 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)