

**RNF36 / TRIM69 Antibody (C-Term)**  
Peptide-affinity purified goat antibody  
Catalog # AF2323a

**Specification**

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**RNF36 / TRIM69 Antibody (C-Term) - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">Q86WT6</a>
Other Accession	<a href="#">NP_892030.3</a> , <a href="#">NP_542783.2</a> , <a href="#">140691</a>
Reactivity	Human, Mouse
Predicted	Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	57419

**RNF36 / TRIM69 Antibody (C-Term) - Additional Information**

**Gene ID** 140691

**Other Names**

E3 ubiquitin-protein ligase TRIM69, 6.3.2.-, RFP-like domain-containing protein trimless, RING finger protein 36, Tripartite motif-containing protein 69, TRIM69, RNF36

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

RNF36 / TRIM69 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**RNF36 / TRIM69 Antibody (C-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:<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

[31375575](http://www.uniprot.org/citations/31375575), PubMed: [31578292](http://www.uniprot.org/citations/31578292)). Ubiquitinates viral proteins such as dengue virus NS3 thereby limiting infection (PubMed: [30844644](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/36251989)). Plays also a role in cataract formation together with TP53 (PubMed: [30844644](http://www.uniprot.org/citations/30844644)). Mechanistically, inhibits UVB-induced cell apoptosis and reactive oxygen species (ROS) production by inducing TP53 ubiquitination (PubMed: [30844644](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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

### RNF36 / TRIM69 Antibody (C-Term) - Protocols

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

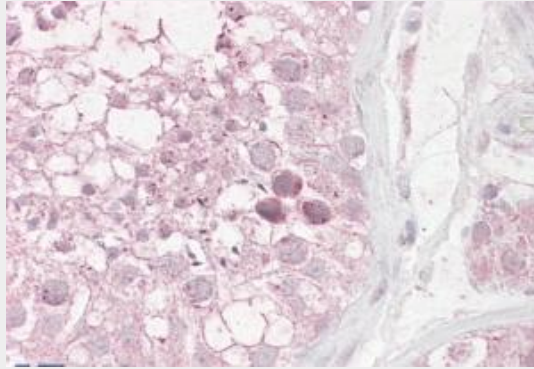
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### RNF36 / TRIM69 Antibody (C-Term) - Images



AF2323a (0.5 µg/ml) staining of Mouse Testis lysate (35 µg protein in RIPA buffer). Primary

incubation was 1 hour. Detected by chemiluminescence.



AF2323a (3.8 µg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

#### **RNF36 / TRIM69 Antibody (C-Term) - Background**

This antibody is expected to recognize both reported isoforms (NP\_892030.3; NP\_542783.2).

#### **RNF36 / TRIM69 Antibody (C-Term) - References**

A novel member of the RBCC family, Trif, expressed specifically in the spermatids of mouse testis. Shyu HW, Hsu SH, Hsieh-Li HM, Li H. Mech Dev 2001 Oct;108(1-2):213-6 PMID: 11578878