

# RNF36 (TRIM69) Antibody (Center K251)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP2525d

## Product Information

---

<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q86WT6</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB13944
<b>Calculated MW</b>	57419
<b>Antigen Region</b>	336-365

## Additional Information

---

<b>Gene ID</b>	140691
<b>Other Names</b>	E3 ubiquitin-protein ligase TRIM69, 632-, RFP-like domain-containing protein trimless, RING finger protein 36, Tripartite motif-containing protein 69, TRIM69, RNF36
<b>Target/Specificity</b>	This RNF36 (TRIM69) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 336-365 amino acids from the Central region of human RNF36 (TRIM69).
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
<b>Storage</b>	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.
<b>Precautions</b>	RNF36 (TRIM69) Antibody (Center K251) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

---

<b>Name</b>	TRIM69
<b>Synonyms</b>	RNF36
<b>Function</b>	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](#)). Also plays 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

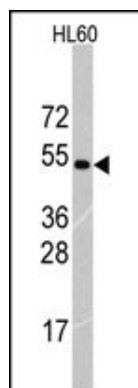
## Background

TRIM69 is a member of the RING-B-box-coiled-coil (RBCC) family with an N-terminal RING finger motif, a PRY domain and a C-terminal SPRY domain. The mouse ortholog of TRIM69 is specifically expressed in germ cells at the round spermatid stages during spermatogenesis and, when overexpressed, induces apoptosis.

## References

Shyu,H.W., Exp. Cell Res. 287 (2), 301-313 (2003)  
Shyu,H.W., Mech. Dev. 108 (1-2), 213-216 (2001)

## Images



Western blot analysis of anti-TRIM69 Antibody (Center K251) (RB13944) in HL60 cell line lysates (35ug/lane). TRIM69(arrow) was detected using the purified Pab.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.