

**RNF36 (TRIM69) Antibody (Center K251)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP2525d****Specification**

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**RNF36 (TRIM69) Antibody (Center K251) - Product Information**

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

**RNF36 (TRIM69) Antibody (Center K251) - 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 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).

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

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.

**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**

RNF36 (TRIM69) Antibody (Center K251) is for research use only and not for use in diagnostic or therapeutic procedures.

**RNF36 (TRIM69) Antibody (Center K251) - 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](#)). 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

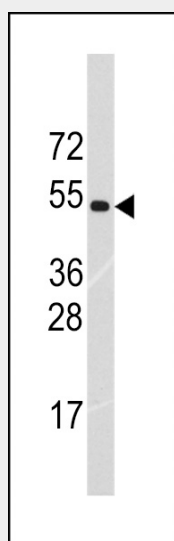
Cytoplasm. Nucleus. Nucleus speckle. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Note=Adopts a filamentous distribution in the cell cytoplasm where it strongly colocalizes with stable microtubules

## RNF36 (TRIM69) Antibody (Center K251) - 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 (Center K251) - 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.

## RNF36 (TRIM69) Antibody (Center K251) - 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.

#### **RNF36 (TRIM69) Antibody (Center K251) - References**

Shyu,H.W., Exp. Cell Res. 287 (2), 301-313 (2003)

Shyu,H.W., Mech. Dev. 108 (1-2), 213-216 (2001)