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RNF36 (TRIM69) Antibody (Center H215)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP2525c

Specification

RNF36 (TRIM69) Antibody (Center H215) - Product Information

Application	**WB,E**
Primary Accession	Q86WT6
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**57419**
Antigen Region	**200-231**

RNF36 (TRIM69) Antibody (Center H215) - 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 200-231 amino acids from the Central region of human RNF36 (TRIM69).

Dilution
WB~~1:1000

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 H215) is for research use only and not for use in diagnostic or therapeutic procedures.

RNF36 (TRIM69) Antibody (Center H215) - 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).

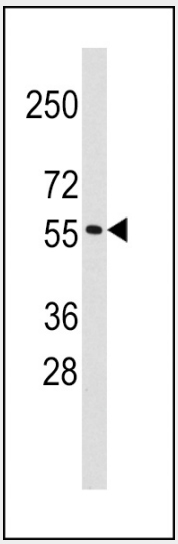
Cellular Location
Cytoplasm. Nucleus. Nucleus speckle. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Note=Adopts a filamentous distribution in the cell cytoplasm where it strongly colocalizes with stable microtubules

RNF36 (TRIM69) Antibody (Center H215) - Protocols

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

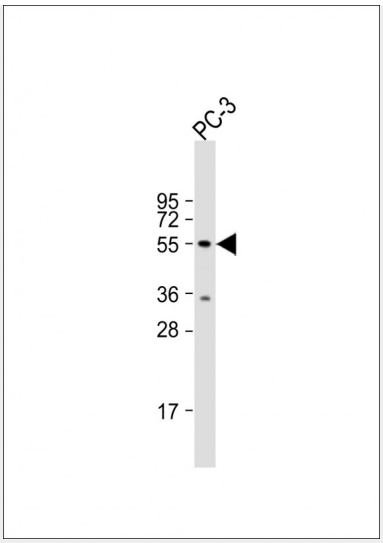
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RNF36 (TRIM69) Antibody (Center H215) - Images



Western blot analysis of anti-TRIM69 Antibody (Center H215) (RB13950) in K562 cell line lysates (35ug/lane). TRIM69(arrow) was detected using the purified Pab.

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Anti-TRIM69 Antibody (Center H215) at 1:1000 dilution + PC-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 57 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

RNF36 (TRIM69) Antibody (Center H215) - 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 H215) - References

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