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TRIM69 / Trif Antibody (C-Terminus)

Goat Polyclonal Antibody
Catalog # ALS14555

Specification

TRIM69 / Trif Antibody (C-Terminus) - Product Information

Application	**IHC**
Primary Accession	Q86WT6
Reactivity	**Human, Rabbit, Monkey, Bovine**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**57kDa KDa**

TRIM69 / Trif Antibody (C-Terminus) - 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

Target/Specificity
Human TRIM69 / RNF36. This antibody is expected to recognize both reported isoforms (NP_892030.3; NP_542783.2).

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

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

TRIM69 / Trif Antibody (C-Terminus) - 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).

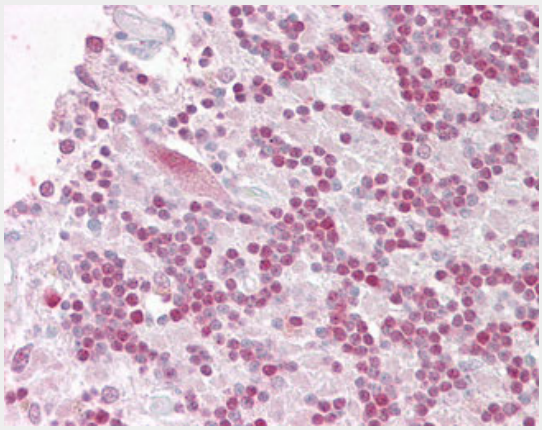
Cellular Location
Cytoplasm. Nucleus. Nucleus speckle. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Note=Adopts a filamentous distribution in the cell cytoplasm where it strongly colocalizes with stable microtubules

TRIM69 / Trif Antibody (C-Terminus) - Protocols

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

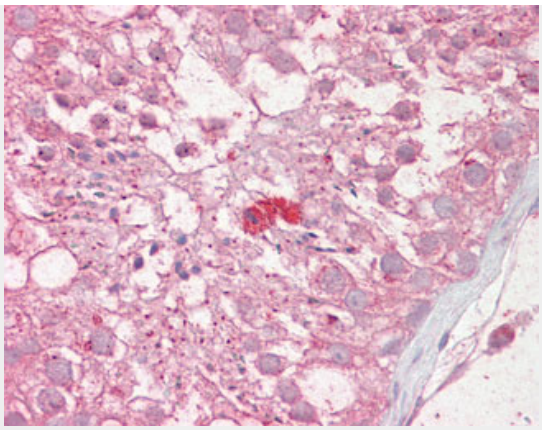
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TRIM69 / Trif Antibody (C-Terminus) - Images



Anti-TRIM69 / RNF36 antibody IHC of human brain, cerebellum.

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Anti-TRIM69 / RNF36 antibody IHC of human testis.

TRIM69 / Trif Antibody (C-Terminus) - Background

May have E3 ubiquitin-protein ligase activity. May play a role in apoptosis.

TRIM69 / Trif Antibody (C-Terminus) - References

Merla G.,et al.Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases.
Corcoran M.,et al.Submitted (OCT-2005) to the EMBL/GenBank/DDBJ databases.
Fan M.M.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Zody M.C.,et al.Nature 440:671-675(2006).
Han Y.,et al.Biochem. Biophys. Res. Commun. 429:6-11(2012).