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RNF36 (TRIM69) Antibody (Center K251) Blocking peptide

Synthetic peptide
Catalog # BP2525d

Specification

RNF36 (TRIM69) Antibody (Center K251) Blocking peptide - Product Information

Primary Accession Q86WT6

RNF36 (TRIM69) Antibody (Center K251) Blocking peptide - 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
The synthetic peptide sequence used to generate the antibody AP2525d was selected from the Center region of human TRIM69. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RNF36 (TRIM69) Antibody (Center K251) Blocking peptide - 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 K251) Blocking peptide - Protocols

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

- Blocking Peptides

RNF36 (TRIM69) Antibody (Center K251) Blocking peptide - Images

RNF36 (TRIM69) Antibody (Center K251) Blocking peptide - 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) Blocking peptide - References

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