

**RNF36 (TRIM69) Antibody (Center H215) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP2525c**

### Specification

#### **RNF36 (TRIM69) Antibody (Center H215) Blocking peptide - Product Information**

Primary Accession [Q86WT6](#)

#### **RNF36 (TRIM69) Antibody (Center H215) 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 [AP2525c](#) 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 H215) 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](http://www.uniprot.org/citations/23131556), PubMed:[30142214](http://www.uniprot.org/citations/30142214), PubMed:[31375575](http://www.uniprot.org/citations/31375575), PubMed:[31578292](http://www.uniprot.org/citations/31578292)). Ubiquitinates viral proteins such as dengue virus NS3 thereby limiting infection (PubMed:[30844644](http://www.uniprot.org/citations/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:<a href="http://www.uniprot.org/citations/36251989" target="\_blank">36251989</a>). Also plays a role in cataract formation together with TP53 (PubMed:<a href="http://www.uniprot.org/citations/30844644" target="\_blank">30844644</a>). Mechanistically, inhibits UVB-induced cell apoptosis and reactive oxygen species (ROS) production by inducing TP53 ubiquitination (PubMed:<a href="http://www.uniprot.org/citations/30844644" target="\_blank">30844644</a>). Regulates centrosome dynamics and mitotic progression by ubiquitinating STK3/MST2; leading to its redistribution to the perinuclear cytoskeleton and subsequent phosphorylation by PLK1 (PubMed:<a href="http://www.uniprot.org/citations/37739411" target="\_blank">37739411</a>).

#### **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) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **RNF36 (TRIM69) Antibody (Center H215) Blocking peptide - Images**

#### **RNF36 (TRIM69) Antibody (Center H215) 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 H215) 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)