

Trim3 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14226**Specification**

Trim3 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	Q9R1R2
Other Accession	NM_018880 , NP_061368
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Pig, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	81kDa KDa

Trim3 antibody - N-terminal region - Additional Information**Gene ID** 55992**Alias Symbol** **BERP1, HAC1, Rnf22****Other Names**

Tripartite motif-containing protein 3, RING finger protein 22, RING finger protein HAC1, Trim3, Hac1, Rnf22

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Trim3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Trim3 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Trim3 antibody - N-terminal region - Protein Information**Name** Trim3**Synonyms** Hac1, Rnf22**Function**

E3 ubiquitin ligase that plays essential roles in neuronal functions such as regulation of neuronal plasticity, learning, and memory (PubMed:24086586, PubMed:26527743). In addition to its neuronal functions, participates in other

biological processes such as innate immunity or cell cycle regulation (By similarity). Component of the cytoskeleton-associated recycling or transport complex in neurons, polyubiquitinates gamma-actin, thus regulating neuronal plasticity, learning, and memory (PubMed:26527743). Ubiquitinates postsynaptic scaffold GKAP, a neuronal substrate involved in synaptic remodeling and thereby modulates dendritic spine morphology (By similarity). Positively regulates motility of microtubule-dependent motor protein KIF21B (PubMed:24086586). Induces growth arrest via its RING-dependent E3 ligase activity and ubiquinates CDKN1A. Positively regulates TLR3- mediated signaling by mediating 'Lys-63'-linked polyubiquitination of TLR3 (PubMed:26527743). In turn, promotes the recognition and sorting of polyubiquitinated TLR3 by the ESCRT complexes (By similarity).

Cellular Location

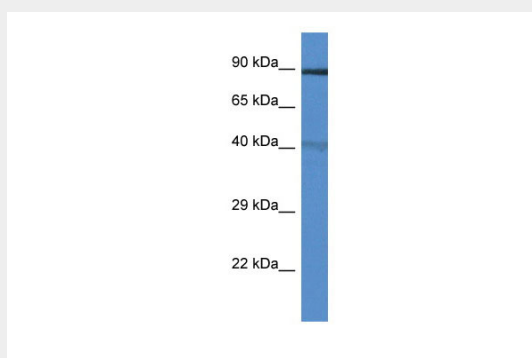
Cytoplasm {ECO:0000250|UniProtKB:O75382}. Early endosome {ECO:0000250|UniProtKB:O75382}. Golgi apparatus, trans-Golgi network. Cell projection, dendrite. Note=Mainly located in the Golgi apparatus and transported to the early endosomes upon stimulation with dsRNA. {ECO:0000250|UniProtKB:O75382}

Trim3 antibody - N-terminal region - 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](#)

Trim3 antibody - N-terminal region - Images



WB Suggested Anti-Trim3 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Heart

Trim3 antibody - N-terminal region - References

Yanai K.,et al.Submitted (AUG-1999) to the EMBL/GenBank/DDBJ databases.
Reymond A.,et al.EMBO J. 20:2140-2151(2001).
Carninci P.,et al.Science 309:1559-1563(2005).

Trinidad J.C.,et al.Mol. Cell. Proteomics 5:914-922(2006).