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Trim3 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14226

Product Information

Application	WB
Primary Accession	Q9R1R2
Other Accession	NM_018880, NP_061368
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Pig, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	80774

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.

Protein Information

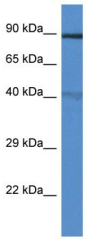
Name	Trim3
Synonyms	Hac1, Rnf22
Function	E3 ubiquitin ligase that plays essential roles in neuronal functions such as regulation of neuronal plasticity, learning, and memory (PubMed:24086586, PubMed:26527743). In addition to its neuronal functions, participates in other biological processes such as innate 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 ubiquitinates 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}

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).

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.