

TRIM3 Antibody (N-Terminus)
Goat Polyclonal Antibody
Catalog # ALS12515**Specification**

TRIM3 Antibody (N-Terminus) - Product Information

Application	IHC
Primary Accession	O75382
Reactivity	Human, Mouse, Rat, Rabbit, Hamster, Monkey, Horse, Bovine, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	81kDa KDa

TRIM3 Antibody (N-Terminus) - Additional Information**Gene ID** 10612**Other Names**

Tripartite motif-containing protein 3, Brain-expressed RING finger protein, RING finger protein 22, RING finger protein 97, TRIM3, BERP, RNF22, RNF97

Target/Specificity

Human TRIM3. Both variants (NP_006449.2; NP_150594.2;) represent the same protein. This antibody is expected to recognise all three human isoforms of this protein.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

TRIM3 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

TRIM3 Antibody (N-Terminus) - Protein Information**Name** TRIM3**Synonyms** BERP, RNF22, RNF97**Function**

E3 ubiquitin ligase that plays essential roles in neuronal functions such as regulation of neuronal plasticity, learning, and memory (By similarity). In addition to its neuronal functions, participates in other biological processes such as innate immunity or cell cycle regulation. Component of the cytoskeleton-associated recycling or transport complex in neurons, polyubiquitinates gamma-actin, thus regulating neuronal plasticity, learning, and memory (By similarity). 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 (By similarity). Induces growth arrest via its

RING-dependent E3 ligase activity and ubiquitinates CDKN1A (PubMed:24393003). Positively regulates TLR3- mediated signaling by mediating 'Lys-63'-linked polyubiquitination of TLR3 (PubMed:32878999). In turn, promotes the recognition and sorting of polyubiquitinated TLR3 by the ESCRT complexes (PubMed:32878999).

Cellular Location

Cytoplasm. Early endosome Golgi apparatus, trans-Golgi network Cell projection, dendrite {ECO:0000250|UniProtKB:Q9R1R2}. Note=Mainly located in the Golgi apparatus and transported to the early endosomes upon stimulation with dsRNA.

Tissue Location

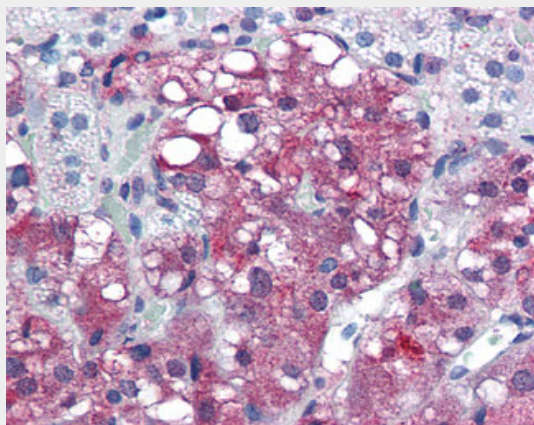
Expressed in brain, heart, uterus and testis.

TRIM3 Antibody (N-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 Cytometry](#)
- [Cell Culture](#)

TRIM3 Antibody (N-Terminus) - Images



Anti-TRIM3 antibody IHC of human adrenal.

TRIM3 Antibody (N-Terminus) - Background

Probably involved in vesicular trafficking via its association with the CART complex. The CART complex is necessary for efficient transferrin receptor recycling but not for EGFR degradation.

TRIM3 Antibody (N-Terminus) - References

El-Husseini A.E.-D., et al. Genomics 71:363-367(2001).
Reymond A., et al. EMBO J. 20:2140-2151(2001).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Taylor T.D.,et al.Nature 440:497-500(2006).

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