

**TRIM9 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11815b****Specification**

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**TRIM9 Antibody (C-term) - Product Information**

Application	FC, WB,E
Primary Accession	<a href="#">O9C026</a>
Other Accession	<a href="#">NP_443210.1</a> , <a href="#">NP_055978.4</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	79177
Antigen Region	648-676

**TRIM9 Antibody (C-term) - Additional Information****Gene ID** 114088**Other Names**

E3 ubiquitin-protein ligase TRIM9, 632-, RING finger protein 91, Tripartite motif-containing protein 9, TRIM9, KIAA0282, RNF91

**Target/Specificity**

This TRIM9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 648-676 amino acids from the C-terminal region of human TRIM9.

**Dilution**

FC~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TRIM9 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TRIM9 Antibody (C-term) - Protein Information****Name** TRIM9

**Synonyms** KIAA0282, RNF91

**Function** E3 ubiquitin-protein ligase which ubiquitinates itself in cooperation with an E2 enzyme UBE2D2/UBC4 and serves as a targeting signal for proteasomal degradation. May play a role in regulation of neuronal functions and may also participate in the formation or breakdown of abnormal inclusions in neurodegenerative disorders. May act as a regulator of synaptic vesicle exocytosis by controlling the availability of SNAP25 for the SNARE complex formation.

**Cellular Location**

Cytoplasm. Cell projection, dendrite. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle {ECO:0000250|UniProtKB:Q91ZY8}. Synapse {ECO:0000250|UniProtKB:Q91ZY8} Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q91ZY8}. Note=Enriched at synaptic terminals where it exists in a soluble form and a synaptic vesicle-associated form. Associated with the cytoskeleton (By similarity). Found in proximal dendrites of pyramidal neurons in the cerebral cortex and hippocampus, and Purkinje cells in the cerebellum (PubMed:20085810). {ECO:0000250|UniProtKB:Q91ZY8, ECO:0000269|PubMed:20085810}

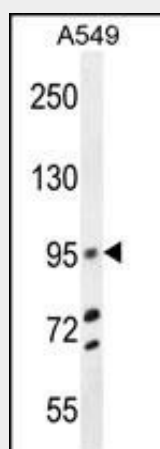
**Tissue Location**

Brain. Highly expressed in the cerebral cortex (at protein level). Severely decreased in the affected brain areas in Parkinson disease and dementia with Lewy bodies

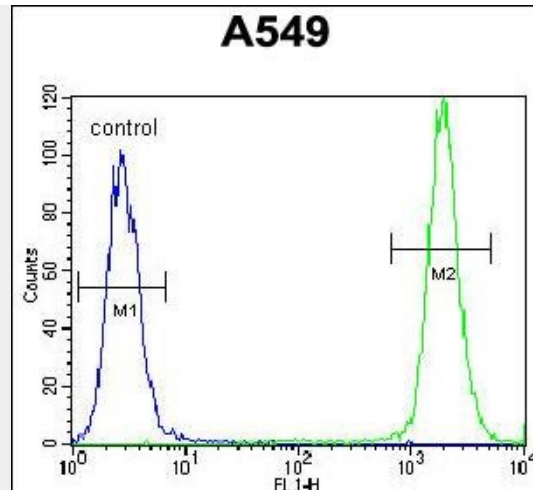
**TRIM9 Antibody (C-term) - Protocols**

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](#)

**TRIM9 Antibody (C-term) - Images**

TRIM9 Antibody (C-term) (Cat. #AP11815b) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the TRIM9 antibody detected the TRIM9 protein (arrow).



TRIM9 Antibody (C-term) (Cat. #AP11815b) flow cytometric analysis of A549 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### **TRIM9 Antibody (C-term) - Background**

The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The protein localizes to cytoplasmic bodies. Its function has not been identified. Alternate splicing of this gene generates two transcript variants encoding different isoforms.

### **TRIM9 Antibody (C-term) - References**

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