10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

TRIM9 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI10121

Specification

TRIM9 antibody - middle region - Product Information

Application	**WB**
Primary Accession	Q9C026
Other Accession	Q9C026, NP_055978, NM_015163
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine**
Predicted	**Human, Mouse, Rat, Dog, Horse, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**79 kDa KDa**

TRIM9 antibody - middle region - Additional Information

Gene ID 114088

Alias Symbol	**KIAA0282, RNF91, SPRING**

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

Target/Specificity
TRIM9 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. 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.

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-TRIM9 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
TRIM9 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

TRIM9 antibody - middle region - Protein Information

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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}

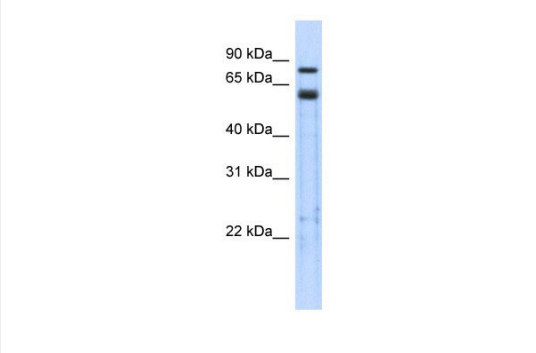
Tissue Location
Brain. Highly expressed in the cerebral cortex (at protein level). Severely decreased in the affected brain areas in Parkinson disease and dementia with Lewy bodies

TRIM9 antibody - middle 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 Cytomety
- Cell Culture

TRIM9 antibody - middle region - Images



TRIM9 antibody - middle region (AI10121) in Transfected 293T cells using Western Blot
WB Suggested Anti-TRIM9 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500

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Positive Control: Transfected 293T

TRIM9 antibody - middle region - Background

This is a rabbit polyclonal antibody against TRIM9. It was validated on Western Blot using a cell lysate as a positive control. Abgent strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).