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VSTM5 Recombinant Rabbit mAb

Catalog # AP97143

Product Information

Application	WB
Primary Accession	A8MXK1
Other Accession	A8MXK1
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Recombinant
Calculated MW	22377
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 Ig-like C2-type (immunoglobulin-like) domain.
Background Descriptions	Predicted to be involved in several processes, including filopodium assembly; positive regulation of excitatory synapse assembly; and protein homooligomerization. Predicted to be located in membrane. Predicted to be active in axon; dendrite; and plasma membrane. [provided by Alliance of Genome Resources, Apr 2025]

Additional Information

Gene ID	387804
Other Names	C11orf90; 2200002K05Rik; VSTM5_HUMAN; VSTM5; VSTM5_MOUSE; VSTM5_RAT; V-set and transmembrane domain containing 5; chromosome 11 open reading frame 90; V-set and transmembrane domain-containing protein 5
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	VSTM5
Synonyms	C11orf90
Function	Cell adhesion-like membrane protein of the central nervous system (CNS) which modulates both the position and complexity of central neurons by altering their membrane morphology and dynamics. Involved in the

	formation of neuronal dendrites and protrusions including dendritic filopodia. In synaptogenesis, regulates synapse formation by altering dendritic spine morphology and actin distribution. Promotes formation of unstable neuronal spines such as thin and branched types. Regulates neuronal morphogenesis and migration during cortical development in the brain.
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:Q9D806}; Single-pass type I membrane protein. Cell projection, dendrite {ECO:0000250|UniProtKB:Q9D806}. Cell projection, axon {ECO:0000250|UniProtKB:Q9D806}

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