

Rabbit anti-Human FRMPD4 Polyclonal Antibody | anti-KIAA0195 antibody

FRMPD4 Antibody

CATALOG # AAA39594	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

FRMPD4; Polyclonal Antibody; FRMPD4 Antibody; TMEM94; Uncharacterized protein KIAA0195; Transmembrane protein 94; KIAA0195; anti-KIAA0195 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	FRMPD4 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	1356
Applicable Applications for anti-KIAA0195 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	FRMPD4 antibody was raised against an 18 amino acid synthetic peptide from near the center of human FRMPD4.
Buffer	FRMPD4 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of FRMPD4 in human brain tissue with FRMPD4 antibody at 20 µg/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of FRMPD4 in human brain tissue with FRMPD4 antibody at 5 µg/mL.



WB (Western Blot)

Western blot analysis of FRMPD4 in SK-N-SH cell lysate with FRMPD4 antibody at (A) 1 and (B) 2 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-KIAA0195 antibody	FRMPD4 Antibody: The FERM and PDZ domain containing (FRMPD) protein family consists of four proteins that contain a FERM (Four-point-one, erzin, radixin, moesin) domain and at least one PDZ (PSD-95/Discs large/Zonula-occludens-1) domain. FRMPD4, also known as Preso, also contains another protein interaction domain termed WW (domain with two conserved Trp residues) at its amino terminus. It was identified through a yeast two-hybrid screen using the PDZ domain of PSD-95 as bait and is highly expressed in multiple regions of the brain and is enriched in the postsynaptic density (PSD) fractions. Overexpression of FRMPD4 in cultured hippocampal neurons significantly increased the linear density of dendritic spines without changing their length and width; conversely, knockdown experiments using RNAi caused a decrease in spine density, indicating FRMPD4 positively regulates dendritic spine density but not morphology. The decreased level of FRMPD4 also resulted in reduced levels of excitatory synaptic transmission, suggesting that FRMPD4 is required for maintenance of excitatory synaptic transmission.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157502197
NCBI GeneID	9772
NCBI Accession #	NP_055553
NCBI GenBank Nucleotide #	NM_014738.4
UniProt Accession #	Q12767; O75536; Q86XF1
Molecular Weight	154,257 Da
NCBI Official Full Name	uncharacterized protein KIAA0195
NCBI Official Synonym Full Names	KIAA0195
NCBI Official Symbol	KIAA0195
NCBI Official Synonym Symbols	TMEM94
NCBI Protein Information	uncharacterized protein KIAA0195; transmembrane protein 94
UniProt Protein Name	Uncharacterized protein KIAA0195
UniProt Gene Name	KIAA0195
UniProt Synonym Gene Names	TMEM94
UniProt Entry Name	K0195_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/frmpd4-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39594>