

Rabbit ZFYVE27 Polyclonal Antibody | anti-ZFYVE27 antibody

ZFYVE27 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290153	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	ELISA, Western Blot

PRODUCT SYNONYMS

ZFYVE27; Polyclonal Antibody; ZFYVE27 Antibody (N-term); Protrudin; Zinc finger FYVE domain-containing protein 27; anti-ZFYVE27 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ZFYVE27 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 28-56 amino acids from the N-terminal region of human ZFYVE27.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	28-56
Sequence Length	372
Applicable Applications for anti-ZFYVE27 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Primary Accession	Q5T4F4
Other Accession	Q6P7B7, Q3TXX3, NP_001002261.1, NP_001002262.1
Antigen Source	HUMAN
Function	Functions as an upstream inhibitor of RAB11, regulating directional protein transport to the forming neurites. Involved in nerve growth factor-induced neurite formation. May have a more general role in cell projections formation.
Cellular Location	Recycling endosome membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Cell projection, growth cone membrane; Multi- pass membrane protein. Cell membrane; Multi-pass membrane protein Note=Localizes at both dendrites and axons.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
ZFYVE27 Antibody (N-term) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the ZFYVE27 antibody detected the ZFYVE27 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ZFYVE27 antibody	This gene encodes a protein with several transmembrane domains, a Rab11-binding domain and a lipid-binding FYVE finger domain. The encoded protein appears to promote neurite formation. A mutation in this gene has been reported to be associated with hereditary spastic paraplegia, however the pathogenicity of the mutation, which may simply represent a polymorphism, is unclear.
Product Categories/Family for anti-ZFYVE27 antibody	Neuroscience
References	Saita, S., et al. J. Biol. Chem. 284(20):13766-13777(2009) Martignoni, M., et al. Am. J. Hum. Genet. 83(1):127-128(2008) Shirane, M., et al. Science 314(5800):818-821(2006) Mannan, A.U., et al. Am. J. Hum. Genet. 79(2):351-357(2006) Wang, A.G., et al. Biochem. Biophys. Res. Commun. 345(3):1022-1032(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	50557646
NCBI GeneID	118813
NCBI Accession #	NP_001002261.1; NP_001002262.1; NP_001167590.1; NP_001167591.1; NP_001167592.1; NP_001167593.1; NP_653189.3
NCBI GenBank Nucleotide #	NM_001002261.3
UniProt Accession #	Q5T4F4; Q5T4F1; Q5T4F2; Q5T4F3; Q8N1K0; Q8N6D6; B7Z3S0; B7Z404; B7Z626; G8JLC3; G8JLF0; J3KP98
Molecular Weight	45843
NCBI Official Full Name	protrudin isoform a
NCBI Official Synonym Full Names	zinc finger, FYVE domain containing 27
NCBI Official Symbol	ZFYVE27
NCBI Official Synonym Symbols	SPG33; PROTRUDIN
NCBI Protein Information	protrudin
UniProt Protein Name	Protrudin
UniProt Gene Name	ZFYVE27
UniProt Entry Name	ZFY27_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.