ZFYVE27 Antibody

PRODUCT OVERVIEW

Product Name	ZFYVE27, Antibody
Full Product Name	ZFYVE27 Antibody
Product Gene Name	anti-ZFYVE27 antibody
Molecular Weight	41,417 Da
OMIM	610243
3D Structure	ModBase 3D Structure for Q5T4F4
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-ZFYVE27 antibody	MBS8504036 is an antibody targeting ZFYVE27. Also known as ZFYVE27 Antibody.
Other Notes	Small volumes of anti-ZFYVE27 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ZFYVE27. It may not necessarily be applicable to this product.

NCBI GI #	50557646
NCBI GeneID	118813
NCBI Accession #	NP_001002261.1
UniProt Primary Accession #	Q5T4F4
UniProt Secondary Accession #	Q5T4F1; Q5T4F2; Q5T4F3; Q8N1K0; Q8N6D6; B7Z3S0; B7Z404; B7Z626; G8JLC3; G8JLF0; J3KP98
UniProt Related Accession #	Q5T4F4
GenBank Nucleotide #	NM_001002261.3
NCBI Official Full Name	protrudin isoform a
NCBI Official Synonym Full Names	zinc finger FYVE-type containing 27
NCBI Official Symbol	ZFYVE27
NCBI Official Synonym Symbols	SPG33; PROTRUDIN
UniProt Protein Name	Protrudin
UniProt Synonym Protein Names	Spastic paraplegia 33 protein
Protein Family	Protrudin
UniProt Gene Name	ZFYVE27
NCBI Protein Information	protrudin

NCBI Summary for ZFYVE27	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. [provided by RefSeq, Mar 2010]
UniProt Comments for ZFYVE27	Key regulator of RAB11-dependent vesicular trafficking during neurite extension through polarized membrane transport (PubMed:17082457). Promotes axonal elongation and contributes to the establishment of neuronal cell polarity (). Involved in nerve growth factor-induced neurite formation in VAPA-dependent manner (PubMed:19289470). Contributes to both the formation and stabilization of the tubular ER network (PubMed:24668814). Involved in ER morphogenesis by regulating the sheet-to-tubule balance and possibly the density of tubule interconnections (PubMed:23969831). Acts as an adapter protein and facilitates the interaction of KIF5A with VAPA, VAPB, SURF4, RAB11A, RAB11B and RTN3 and the ZFYVE27-KIF5A complex contributes to the transport of these proteins in neurons. Can induce formation of neurite-like membrane protrusions in non-neuronal cells in a KIF5A/B-dependent manner (PubMed:21976701).
Research Articles on ZFYVE27	**1.** SPG33 protein protrudin contains hydrophobic, intramembrane hairpin domains, interacts with tubular ER proteins, and functions in ER morphogenesis by regulating the sheet-to-tubule balance and possibly the density of tubule interconnections.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/antibody/zfyve27/8504036