vps-33.1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	vps-33.1, Polyclonal Antibody
Full Product Name	Rabbit anti-Caenorhabditis elegans vps-33.1 Polyclonal Antibody
Product Gene Name	anti-vps-33.1 antibody
Product Synonym Names	vps-33.1 Antibody; Vacuolar protein sorting-associated protein 33A; Protein slp-1; vps-33.1 slp-1 B0303.9
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Caenorhabditis elegans
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH7.4
Purity/Purification	Antigen-affinity
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	68,166 Da
3D Structure	ModBase 3D Structure for P34260
Immunogen	Recombinant Caenorhabditis elegans vps-33.1 protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-vps-33.1 antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-vps-33.1 antibody	MBS7142818 is an antibody targeting vps-33.1. Also known as Rabbit anti-Caenorhabditis elegans vps-33.1 Polyclonal Antibody. Reactive in Caenorhabditis elegans. Host: Rabbit.
Other Notes	Small volumes of anti-vps-33.1 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 vps-33.1. It may not necessarily be applicable to this product.

NCBI GI #	71980760
NCBI GeneID	176221
NCBI Accession #	NP_498920.2
UniProt Primary Accession #	P34260
UniProt Related Accession #	P34260

GenBank Nucleotide #	NM_066519.4
NCBI Official Full Name	Vacuolar protein sorting-associated protein 33A
NCBI Official Symbol	vps-33.1
UniProt Protein Name	Vacuolar protein sorting-associated protein 33A
UniProt Synonym Protein Names	Protein slp-1
UniProt Gene Name	vps-33.1
NCBI Protein Information	Vacuolar protein sorting-associated protein 33A
UniProt Comments for vps-33.1	Plays a role in vesicle-mediated protein trafficking to lysosomal compartments including the endocytic membrane transport pathways (PubMed:25273556, PubMed:26783301, PubMed:27558849). Believed to act as a component of the putative HOPS endosomal tethering complex which is proposed to be involved in the rab-5-to-rab-7 endosome conversion probably implicating sand-1, and via binding SNAREs and SNARE complexes to mediate tethering and docking events during SNARE-mediated membrane fusion (PubMed:25273556). The HOPS complex is proposed to be recruited to rab-7 on the late endosomal membrane and to regulate late endocytic, phagocytic and autophagic traffic towards lysosomes (). Within the HOPS complex, contributes to the normal development of gut granules in embryonic and adult intestinal cells (PubMed:24501423, PubMed:25273556). Required for endosome/lysosome fusion (PubMed:26783301, PubMed:27558849). Required for early embryonic development (PubMed:27558849).
Research Articles on vps-33.1	**1.** Data indicate that simultaneous loss of the Sec1/Munc18-family proteins (SM) proteins VPS-33.1 and VPS-33.2 bypasses the endocytosis block.
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Online datasheet: https://www.mybiosource.com/polyclonal-antibody/vps-33-1/7142818