VPS13B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	VPS13B, Polyclonal Antibody
Full Product Name	VPS13B Rabbit pAb
Product Gene Name	anti-VPS13B antibody
Product Synonym Names	CHS1; COH1; BLTP5B
Immunogen Sequence	MLESYVTPIL MSYVNRYIKN LKPSDLQLSL WGGDVVLSKL ELKLDVLEQE LKLPFTFLSG HIHELRIHVP WTKLGSEPVV ITINTMECIL KLKDGIQDDH
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid PBS with 0.01% thimerosal, 50% glycerol, pH7.3.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles. Ship: Ice Pack
Molecular Weight	448,536 Da
OMIM	phenotype 607817
3D Structure	ModBase 3D Structure for Q7Z7G8
Research Area	Signal Transduction
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human VPS13B (NP_060360.3).
Product Categories/Family for anti-VPS13B antibody	Polyclonal Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-VPS13B antibody	Western Blot (WB)
Application Notes for anti-VPS13B antibody	WB: 1:500-1:2000
Related Product Information for anti-VPS13B antibody	This gene encodes a potential transmembrane protein that may function in vesicle-mediated transport and sorting of proteins within the cell. This protein may play a role in the development and the function of the eye, hematological system, and central nervous system. Mutations in this gene have been associated with Cohen syndrome. Multiple splice variants encoding distinct isoforms have been identified for this gene.
Other Notes	Small volumes of anti-VPS13B 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.
Searchable Terms for VPS13B purchase	MBS9145707 is an antibody targeting VPS13B. Also known as VPS13B Rabbit pAb. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for VPS13B. It may not necessarily be applicable to this product.

NCBI GI #	35493725
NCBI GeneID	157680
NCBI Accession #	NP_056058
UniProt Primary Accession #	Q7Z7G8
UniProt Secondary Accession #	Q709C6; Q709C7; Q7Z7G4; Q7Z7G5; Q7Z7G6; Q7Z7G7; Q8NB77; Q9NWV1; Q9Y4E7; C9JD30
UniProt Related Accession #	Q7Z7G8
GenBank Nucleotide #	NM_015243.2
NCBI Official Full Name	vacuolar protein sorting-associated protein 13B isoform 3
NCBI Official Synonym Full Names	vacuolar protein sorting 13 homolog B (yeast)
NCBI Official Symbol	VPS13B
NCBI Official Synonym Symbols	CHS1; COH1
UniProt Protein Name	Vacuolar protein sorting-associated protein 13B
UniProt Synonym Protein Names	Cohen syndrome protein 1
Protein Family	Putative vacuolar protein sorting-associated protein
UniProt Gene Name	VPS13B
UniProt Synonym Gene Names	CHS1; COH1; KIAA0532
UniProt Entry Name	VP13B_HUMAN
NCBI Protein Information	vacuolar protein sorting-associated protein 13B
UniProt Comments for VPS13B	VPS13B: May be involved in protein sorting in post Golgi membrane traffic. Defects in VPS13B are a cause of Cohen syndrome (COH1). COH1 is a rare autosomal recessive disorder characterized by obesity, hypotonia, intellectual deficit, characteristic craniofacial dysmorphism and abnormalities of the hands and feet. Characteristic facial features include high-arched or wave-shaped eyelids, a short philtrum, thick hair and low hairline. Belongs to the VPS13 family. 6 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Vesicle Chromosomal Location of Human Ortholog: 8q22.2 Biological Process: protein transport Disease: Cohen Syndrome
Research Articles on VPS13B	**1.** This observation emphasizes that VPS13B analysis should be performed in cases of congenital neutropenia associated with retinopathy, even in the absence of ID, therefore extending the VPS13B phenotype spectrum.
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