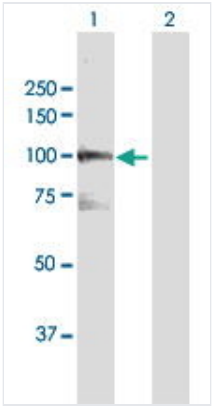
VPS39 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	VPS39, Polyclonal Antibody
Full Product Name	VPS39 (Vam6/Vps39-like Protein, KIAA0770, TRAP1-like Protein, TLP, VAM6, hVam6p) (HRP)
Product Gene Name	anti-VPS39 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human VPS39.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor
OMIM	612188
3D Structure	ModBase 3D Structure for Q96JC1
Immunogen	Full length human VPS39, aa1-875 (NP_056104.2).
Immunogen Sequence	MHDAFEPVPILEKLPLQIDCLAAWEEWLLVGTKQGHLLLYRIRKDVGCNRFEVTLEKSNKNFSKKIQQIHVVSQFKILVSLLENNIYVHDLLTFQQITTVSKAK S
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-VPS39 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-VPS39 antibody	Western Blot (WB)
Application Notes for anti-VPS39 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-VPS39 antibody	MBS6398363 is an antibody targeting VPS39. Also known as VPS39 (Vam6/Vps39-like Protein, KIAA0770, TRAP1-like Protein, TLP, VAM6, hVam6p)
Other Notes	Small volumes of anti-VPS39 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces



Western Blot (WB) of anti-VPS39 antibody
Western Blot analysis of VPS39 expression in transfected 293T cell line by VPS39 polyclonal antibody. Lane 1: VPS39 transfected lysate (100.8kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for VPS39. It may not necessarily be applicable to this product.

NCBI GI #	54234023
NCBI GeneID	23339
NCBI Accession #	NM_015289.2
UniProt Primary Accession #	Q96JC1
UniProt Related Accession #	Q96JC1
GenBank Nucleotide #	NM_015289.2
NCBI Official Full Name	Homo sapiens vacuolar protein sorting 39 homolog (S. cerevisiae) (VPS39), mRNA
NCBI Official Synonym Full Names	VPS39 subunit of HOPS complex
NCBI Official Symbol	VPS39
NCBI Official Synonym Symbols	TLP; VAM6; hVam6p
UniProt Protein Name	Vam6/Vps39-like protein
UniProt Synonym Protein Names	TRAP1-like protein; hVam6p
Protein Family	Vam6/Vps39-like protein
UniProt Gene Name	VPS39
UniProt Synonym Gene Names	KIAA0770; TLP; VAM6; hVam6p
UniProt Entry Name	VPS39_HUMAN
NCBI Protein Information	vam6/Vps39-like protein
NCBI Summary for VPS39	This gene encodes a protein that may promote clustering and fusion of late endosomes and lysosomes. The protein may also act as an adaptor protein that modulates the transforming growth factor-beta response by coupling the transforming growth factor-beta receptor complex to the Smad pathway. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

UniProt Comments for VPS39	VPS39: May play a role in clustering and fusion of late endosomes and lysosomes. Regulator of TGF-beta/activin signaling, inhibiting SMAD3- and activating SMAD2-dependent transcription. Acts by interfering with SMAD3/SMAD4 complex formation, this would lead to inhibition of SMAD3-dependent transcription and relieve SMAD3 inhibition of SMAD2-dependent promoters, thus increasing SMAD2-dependent transcription. Does not affect TGF-beta-induced SMAD2 or SMAD3 phosphorylation, nor SMAD2/SMAD4 complex formation. Belongs to the VAM6/VPS39 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, peripheral; G protein regulator, misc. Chromosomal Location of Human Ortholog: 15q15.1 Cellular Component: lysosomal membrane; late endosome membrane Biological Process: vesicle-mediated transport; intracellular protein transport; regulation of catalytic activity
Research Articles on VPS39	**1.** TLP expression contributes to hypertrophic scar formation and contraction.
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