VPS25 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	VPS25, Polyclonal Antibody
Full Product Name	VPS25, CT (VPS25, DERP9, EAP20, Vacuolar protein-sorting-associated protein 25, Dermal papilla-derived protein 9, ELL-associated protein of 20kD, ESCRT-II complex subunit VPS25) (MaxLight 750)
Product Gene Name	anti-VPS25 antibody
Product Synonym Names	VPS25; DERP9; EAP20; Vacuolar protein-sorting-associated protein 25; Dermal papilla-derived protein 9; ELL-associated protein of 20kD; ESCRT-II complex subunit VPS25
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	20,748 Da
OMIM	610907
3D Structure	ModBase 3D Structure for Q9BRG1
Immunogen	VPS25 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 116-144 amino acids from the C-terminal region of human VPS25.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-VPS25 antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-VPS25 antibody	Western Blot (WB), FLISA
Application Notes for anti-VPS25 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-VPS25 antibody	VPS25, VPS36 (MIM 610903), and SNF8 (MIM 610904) form ESCRT-II (endosomal sorting complex required for transport II), a complex involved in endocytosis of ubiquitinated membrane proteins. VPS25, VPS36, and SNF8 are also associated in a multiprotein complex with RNA polymerase II elongation factor (ELL; MIM 600284) (Slagsvold et al., 2005 [PubMed 15755741]; Kamura et al., 2001 [PubMed 11278625]).
Product References and Citations for anti-VPS25 antibody	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010). Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009). Im, Y.J., et al. Dev. Cell 17(2):234-243(2009). Lamesch, P., et al. Genomics 89(3):307-315(2007). Bowers, K., et al. J. Biol. Chem. 281(8):5094-5105(2006).

Other Notes	Small volumes of anti-VPS25 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 VPS25 purchase	MBS6362728 is an antibody targeting VPS25. Also known as VPS25, CT (VPS25, DERP9, EAP20, Vacuolar protein-sorting-associated protein 25, Dermal papilla-derived protein 9, ELL-associated protein of 20kD, ESCRT-II complex subunit VPS25) (MaxLight 750). Reactive in Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for VPS25. It may not necessarily be applicable to this product.

NCBI GI #	14150155
NCBI GeneID	84313
NCBI Accession #	NP_115729.1
UniProt Primary Accession #	Q9BRG1
UniProt Secondary Accession #	B2R581
UniProt Related Accession #	Q9BRG1
GenBank Nucleotide #	NM_032353.3
NCBI Official Full Name	vacuolar protein-sorting-associated protein 25
NCBI Official Synonym Full Names	vacuolar protein sorting 25 homolog (S. cerevisiae)
NCBI Official Symbol	VPS25
NCBI Official Synonym Symbols	DERP9; EAP20; FAP20
UniProt Protein Name	Vacuolar protein-sorting-associated protein 25
UniProt Synonym Protein Names	Dermal papilla-derived protein 9; ELL-associated protein of 20 kDa; ESCRT-II complex subunit VPS25
Protein Family	Vacuolar protein sorting-associated protein
UniProt Gene Name	VPS25
UniProt Synonym Gene Names	DERP9; EAP20; hVps25
UniProt Entry Name	VPS25_HUMAN
NCBI Protein Information	vacuolar protein-sorting-associated protein 25; ELL-associated protein of 20 kDa; ESCRT-II complex subunit VPS25; dermal papilla-derived protein 9
NCBI Summary for VPS25	This gene encodes a protein that is a subunit of the endosomal sorting complex required for transport II (ESCRT-II). This protein complex functions in sorting of ubiquitinated membrane proteins during endocytosis. A pseudogene of this gene is present on chromosome 1. [provided by RefSeq, Jul 2013]

UniProt Comments for VPS25	VPS25: Component of the ESCRT-II complex (endosomal sorting complex required for transport II), which is required for multivesicular body (MVB) formation and sorting of endosomal cargo proteins into MVBs. The MVB pathway mediates delivery of transmembrane proteins into the lumen of the lysosome for degradation. The ESCRT-II complex is probably involved in the recruitment of the ESCRT-III complex. The ESCRT-II complex may also play a role in transcription regulation, possibly via its interaction with ELL. The ESCRT-II complex may be involved in facilitating the budding of certain RNA viruses. Belongs to the VPS25 family. Protein type: Vesicle Chromosomal Location of Human Ortholog: 17q21.31 Cellular Component: nucleoplasm; mitochondrion; nucleolus; endosome membrane; nucleus; cytosol Molecular Function: protein binding; protein homodimerization activity; structural molecule activity Biological Process: transcription, DNA-dependent; regulation of transcription, DNA-dependent; protein targeting to vacuole during ubiquitin-dependent protein catabolic process via the MVB pathway; endosome transport
Research Articles on VPS25	**1.** Observational study of gene-disease association, gene-environment interaction, and pharmacogenomic / toxicogenomic. (HuGE Navigator)
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