

## Immunotag™ VPS4B Antibody

Antibody Specification	
Catalog No.	ITA3226
Product Description	Immunotag™ VPS4B Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	VPS4B
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide
Specificity	VPS4B antibody detects endogenous levels of total VPS4B
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Gene Name	VPS4B
Accession No.	O75351
Alternate Names	8030489C12Rik; Cell migration inducing 1; Cell migration-inducing gene 1 protein; MGC116271; MIG1; Protein SKD1; Skd1; SKD1B; Suppressor of K(+) transport growth defect 1; Suppressor of K+ transport defect 1; Vacuolar protein sorting 4 homolog B (S. cerevisiae); Vacuolar protein sorting 4 homolog B; Vacuolar protein sorting 4b; Vacuolar protein sorting-associated protein 4B; Vacuolar protein sorting-associated protein 4B; VPS4 2; VPS42; Vps4b; VPS4B_HUMAN;

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Description	Involved in late steps of the endosomal multivesicular bodies (MVB) pathway. Recognizes membrane-associated ESCRT-III assemblies and catalyzes their disassembly, possibly in combination with membrane fission. Redistributes the ESCRT-III components to the cytoplasm for further rounds of MVB sorting. MVBs contain intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome and mostly are delivered to lysosomes enabling degradation of membrane proteins, such as stimulated growth factor receptors, lysosomal enzymes and lipids. In conjunction with the ESCRT machinery also appears to function in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis and enveloped virus budding (HIV-1 and other lentiviruses). VPS4A/B are required for the exosomal release of SDCBP, CD63 and syndecan (PubMed:22660413).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	49 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.