



VPS16 mouse mAb

Catalog No	YP-mAb-09060
Isotype	IgG
Reactivity	Human; Mouse; Rat
Applications	WB
Gene Name	VPS16
Protein Name	VPS16
Immunogen	Synthesized peptide derived from human VPS16 AA range: 568-618
Specificity	This antibody detects endogenous levels of VPS16 at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, mouse, IgG
Purification	The antibody was affinity-purified from mouse serum by affinity-chromatography using specific immunogen.
Dilution	WB 1: 500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Calculated Molecular Weight	92kD
Observed Band	
Cell Pathway	Late endosome membrane ; Peripheral membrane protein ; Cytoplasmic side . Lysosome membrane ; Peripheral membrane protein ; Cytoplasmic side . Early endosome . Cytoplasmic vesicle, clathrin-coated vesicle . Cytoplasmic vesicle, autophagosome . Colocalizes with AP-3, clathrin, Rab5 and Rab7b (By similarity). Cytoplasmic, peripheral membrane protein associated with early endosomes and late endosomes/lysosomes. .
Tissue Specificity	Ubiquitous.
Function	function: May play a role in vesicle-mediated protein trafficking to lysosomal compartments and in membrane docking/fusion reactions of late endosomes/lysosomes., similarity: Belongs to the VPS16 family., subcellular location: Cytoplasmic, peripheral membrane protein associated with late endosomes/lysosomes., subunit: Large hetero-oligomeric complex together with VPS11, VPS18 and VPS33A. Interacts with STX7., tissue specificity: Ubiquitous.,
Background	Vesicle mediated protein sorting plays an important role in segregation of intracellular molecules into distinct organelles. Genetic studies in yeast have identified more than 40 vacuolar protein sorting (VPS) genes involved in vesicle transport to vacuoles. This gene encodes the human homolog of yeast class C Vps16 protein. The mammalian class C Vps proteins are predominantly



associated with late endosomes/lysosomes, and like their yeast counterparts, may mediate vesicle trafficking steps in the endosome/lysosome pathway. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2009],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

