



VPS39 Mouse mAb

Catalog No	YP-mAb-18899
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	VPS39 KIAA0770 TLP VAM6
Immunogen	Synthesized peptide derived from human VPS39
Specificity	This antibody detects endogenous levels of VPS39 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 antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TLP;VAM6;hVam6p;VPS39;VPS39 KIAA0770 TLP VAM6;Vam6/Vps39-like protein (TRAP1-like protein;) (hVam6p)
Observed Band	102kDa
Calculated Molecular Weight	102kDa
Cell Pathway	Cytoplasm. Lysosome membrane ; Peripheral membrane protein . Late endosome membrane ; Peripheral membrane protein . Colocalizes with TGFBR1 and TGFBR2 in cytoplasmic vesicular structures and most prominently in cortical vesicles. . ; (Microbial infection) Sequestered at the late endosome by SARS coronavirus-2/SARS-CoV-2 ORF3A protein. .
Tissue Specificity	Widely expressed, with highest levels in heart, skeletal muscle, kidney, pancreas, brain, placenta and spleen.
Function	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. ; Plays a role in vesicle-mediated protein trafficking to lysosomal



compartments including the endocytic membrane transport and autophagic pathways. Acts as a component of the putative HOPS endosomal tethering complex which is proposed to be involved in the Rab5-to-Rab7 endosome conversion probably implicating MON1A/B, and via binding SNAREs and SNARE complexes to mediate tethering and docking events during SNARE-mediated membrane fusion. The HOPS complex is proposed to be recruited to Rab7 on the late endosomal membrane and to regulate late endocytic, phagocytic and autophagic traffic towards lysosomes. Involved in homotypic vesicle fusions between late endosomes and in heterotypic fusions between late endosomes and lysosomes. Required for fusion of endosomes and autophagosomes with lysosomes.

Background

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