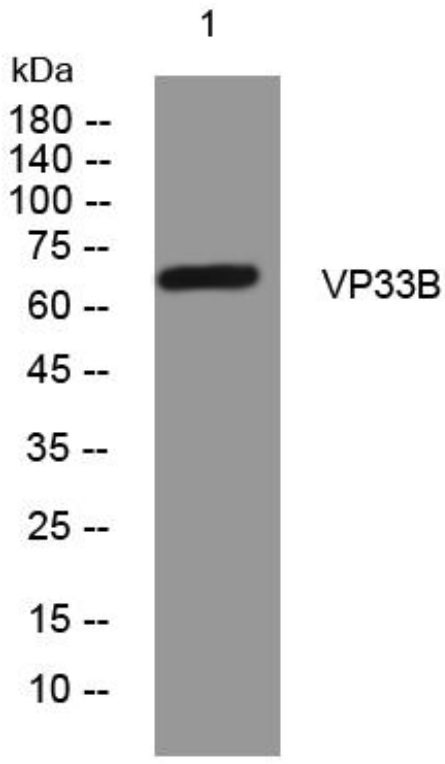
VP33B mouse mAb

Catalog No	BYmab-08758
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	VPS33B
Protein Name	VP33B
Immunogen	Synthesized peptide derived from human VP33B AA range: 12-62
Specificity	This antibody detects endogenous levels of VP33B at Human/Mouse/Rat
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	
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 . Recycling endosome . Colocalizes in clusters with VIPAS39 at cytoplasmic organelles (PubMed:19109425). Colocalizes with RAB11A and VIPAS39 on recycling endosomes (PubMed:22753090). Colocalizes with AP-3, clathrin, Rab5 and Rab7b (PubMed:21411634). Colocalizes with M.tuberculosis PtpA in the cytosol of tuberculosis-infected macrophages and associates with phagosomes (PubMed:18474358). .
Tissue Specificity	Ubiquitous; highly expressed in testis and low expression in the lung.
Function	disease:Defects in VPS33B are the cause of arthrogryposis-renal dysfunction-cholestasis syndrome (ARC) [MIM:208085]. ARC is an autosomal recessive multisystem disorder, characterized by neurogenic arthrogryposis multiplex congenita, renal tubular dysfunction and neonatal cholestasis with bile duct hypoplasia and low gamma glutamyl transpeptidase activity. Platelet

	dysfunction is common.,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 STXBP/unc-18/SEC1 family.,subcellular location:Cytoplasmic, peripheral membrane protein associated with late endosomes/lysosomes.,tissue specificity:Ubiquitous; highly expressed in testis and low expression in the lung.,
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 is a member of the Sec-1 domain family, and encodes the human ortholog of rat Vps33b which is homologous to the yeast class C Vps33 protein. The mammalian class C vacuolar protein sorting proteins are predominantly associated with late endosomes/lysosomes, and like their yeast counterparts, may mediate vesicle trafficking steps in the endosome/lysosome pathway. Mutations in this gene are associated with arthrogryposis-renal dysfunction-cholestasis syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014],
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



Western Blot analysis of various cells using VP33B mouse mAb