



VPS35 Monoclonal Antibody

Catalog No	YP-mAb-10603
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	VPS35
Immunogen	Synthesized peptide derived from VPS35 at AA range: 511-560
Specificity	VPS35 Monoclonal Antibody detects endogenous levels of VPS35
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 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	hVPS35;Maternal embryonic 3;Maternal-embryonic 3;MEM3;TCCCTA00141; VPS35;Vacuolar protein sorting-associated protein 35 (hVPS35) (Maternal-embryonic 3) (Vesicle protein sorting 35)
Observed Band	92kD
Calculated Molecular Weight	92kD
Cell Pathway	Cytoplasm. Membrane; Peripheral membrane protein. Endosome . Early endosome . Late endosome . Localizes to tubular profiles adjacent to endosomes. .
Tissue Specificity	Ubiquitous. Highly expressed in heart, brain, placenta, skeletal muscle, spleen, thymus, testis, ovary, small intestine, kidney and colon.
Function	function:Essential component of the retromer complex, a complex required to retrieve lysosomal enzyme receptors (IGF2R and M6PR) from endosomes to the trans-Golgi network. Also required to regulate transcytosis of the polymeric immunoglobulin receptor (pIgR-pIgA).,similarity:Belongs to the VPS35 family., subunit:Component of the retromer complex composed of VPS26 (VPS26A or VPS26B), VPS29, VPS35, SNX1 and SNX2. Interacts directly with VPS26A and VPS26B. Found in a complex with XPO7, EIF4A1, ARHGAP1, VPS26A, VPS29, VPS35 and SFN.,tissue specificity:Ubiquitous. Highly expressed in heart, brain,



placenta, skeletal muscle, spleen, thymus, testis, ovary, small intestine, kidney and colon.,

Background

This gene belongs to a group of vacuolar protein sorting (VPS) genes. The encoded protein is a component of a large multimeric complex, termed the retromer complex, involved in retrograde transport of proteins from endosomes to the trans-Golgi network. The close structural similarity between the yeast and human proteins that make up this complex suggests a similarity in function. Expression studies in yeast and mammalian cells indicate that this protein interacts directly with VPS35, which serves as the core of the retromer complex. [provided by RefSeq, Jul 2008],

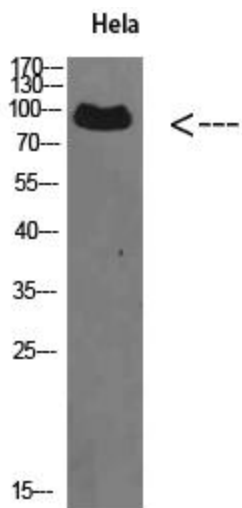
matters needing attention

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 VPS35 Monoclonal Antibody