
Product Name: KD-Validated M6PR Mouse Monoclonal Antibody**Catalog #: KVA00037**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:200-1:1,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 31.0kDa

Antigen Information

Gene Name	M6PR M6PR; Mannose-6-Phosphate Receptor, Cation Dependent; CD-MPR; CD-M6PR; Cation-Dependent Mannose-6-Phosphate Receptor; CD Man-6-P Receptor; MPR 46; MPR46;
Alternative Names	Mannose-6-Phosphate Receptor (Cation Dependent); 46-KDa Mannose 6-Phosphate Receptor; 46 KDa Mannose 6-Phosphate Receptor; Small Mannose 6-Phosphate Receptor; Mr 46,000 Man6PR; MPR-46; SMPR; MPRD
Gene ID	4074.0
SwissProt ID	P20645
Immunogen	Recombinant protein of human M6PR

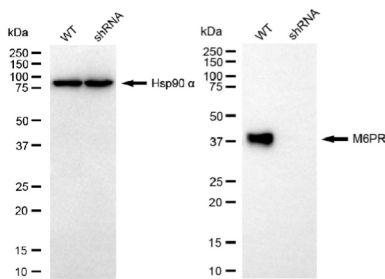
Background

This gene encodes a member of the P-type lectin family. P-type lectins play a critical role in lysosome function through the specific transport of mannose-6-phosphate-containing acid hydrolases from the Golgi complex to lysosomes. The encoded protein functions as a homodimer and requires divalent cations for ligand binding. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. A pseudogene of this gene is located on the long arm of chromosome X. [provided by RefSeq, May 2011]

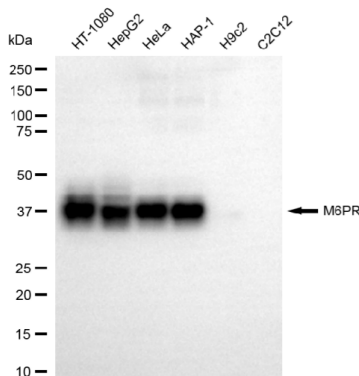
Research Area

Immunology, Tags & Cell Markers, Signal Transduction, Neuroscience

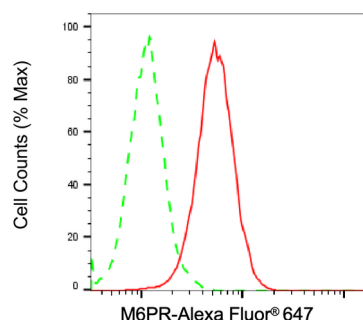
Image Data



Western blotting analysis using M6PR antibody (KVA00037). M6PR expression in wild-type (WT) and M6PR shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with M6PR antibody (KVA00037, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using M6PR antibody (KVA00037). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with M6PR antibody (KVA00037, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Flow cytometric analysis of M6PR expression in HAP-1 cells using M6PR antibody (KVA00037, 1:2,000). Green, isotype control; red, M6PR.