

M6PR Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP2792a**Specification**

M6PR Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P20645](#)**M6PR Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 4074**Other Names**

Cation-dependent mannose-6-phosphate receptor, CD Man-6-P receptor, CD-MPR, 46 kDa mannose 6-phosphate receptor, MPR 46, M6PR, MPR46, MPRD

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2792a](/products/AP2792a) was selected from the N-term region of human M6PR. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

M6PR Antibody (N-term) Blocking Peptide - Protein Information**Name** M6PR**Synonyms** MPR46, MPRD**Function**

Transport of phosphorylated lysosomal enzymes from the Golgi complex and the cell surface to lysosomes. Lysosomal enzymes bearing phosphomannosyl residues bind specifically to mannose-6-phosphate receptors in the Golgi apparatus and the resulting receptor-ligand complex is transported to an acidic prelysosomal compartment where the low pH mediates the dissociation of the complex.

Cellular Location

Lysosome membrane; Single-pass type I membrane protein

M6PR Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

M6PR Antibody (N-term) Blocking Peptide - Images

M6PR Antibody (N-term) Blocking Peptide - Background

M6PR is a receptor for mannose-6-phosphate groups on lysosomal enzymes. The receptor forms a homodimer or homotetramer for intracellular targeting of lysosomal enzymes and export of newly synthesized lysosomal enzymes into the cell secretions. The receptor is an integral membrane protein which localizes to the trans-Golgi reticulum, endosomes, and the plasma membrane.

M6PR Antibody (N-term) Blocking Peptide - References

Perez-Victoria,F.J., Mol. Biol. Cell 19 (6), 2350-2362 (2008)Mari,M., Traffic 9 (3), 380-393 (2008)Lemansky,P., J. Leukoc. Biol. 81 (4), 1149-1158 (2007)Chen,J.J., Cell 119 (7), 915-926 (2004)