

**M6PR Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP2792b****Specification**

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**M6PR Antibody (C-term) Blocking peptide - Product Information**

Primary Accession [P20645](#)  
Other Accession [NP\\_002346.1](#)

**M6PR Antibody (C-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

**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 (C-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 (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **M6PR Antibody (C-term) Blocking peptide - Images**

#### **M6PR Antibody (C-term) Blocking peptide - Background**

The protein encoded by this gene is a receptor formannose-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 (C-term) Blocking peptide - References**

Bosker, F.J., et al. Mol. Psychiatry (2010) In press :Op den Brouw, M.L., et al. Virology 393(1):84-90(2009)Schimanski, L.M., et al. Blood Cells Mol. Dis. 43(2):180-193(2009)Rodriguez-Gabin, A.G., et al. Exp. Cell Res. 315(13):2215-2230(2009)Xaplanteri, P., et al. Eur. J. Immunol. 39(3):730-740(2009)