



# Anti-M6PR (aa 211-277) polyclonal antibody (DPAB-DC1878)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	M6PR (NP_002346, 211 a.a. ~ 277 a.a) partial recombinant protein with GST tag. The sequence is QRLVVGAKGMEQFPHLAFWQDLGNLVADGCDFVCRSKPRNVPAAYRGVGDDQLGEESEER DDHLLPM
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">M6PR mannose-6-phosphate receptor (cation dependent) [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	M6PR
<b>Synonyms</b>	M6PR; mannose-6-phosphate receptor (cation dependent); SMPR; MPR46; CD-MPR; MPR 46; MPR-46; cation-dependent mannose-6-phosphate receptor; Mr 46,000 Man6PR; CD Man-6-P receptor; small mannose 6-phosphate receptor; 46-kDa mannose 6-phosphate receptor;
<b>Entrez Gene ID</b>	<a href="#">4074</a>
<b>Protein Refseq</b>	<a href="#">NP_001193953</a>
<b>UniProt ID</b>	<a href="#">F5GX30</a>
<b>Chromosome Location</b>	12p13
<b>Pathway</b>	Clathrin derived vesicle budding; Lysosome; Membrane Trafficking; Phagosome
<b>Function</b>	mannose binding; mannose transmembrane transporter activity; transmembrane signaling receptor activity;