



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

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

GENE INFORMATION

Gene Name	M6PR mannose-6-phosphate receptor (cation dependent) [Homo sapiens (human)]
Official Symbol	M6PR
Synonyms	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;
Entrez Gene ID	4074
Protein Refseq	NP_001193953
UniProt ID	F5GX30
Chromosome Location	12p13
Pathway	Clathrin derived vesicle budding; Lysosome; Membrane Trafficking; Phagosome
Function	mannose binding; mannose transmembrane transporter activity; transmembrane signaling receptor activity;