



Anti-M6PR polyclonal antibody (DPAB-DC1879)

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	A synthetic peptide corresponding to human M6PR. The sequence is KGGDEYDNHCGKEQ
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Preservative	0.02% Sodium Azide
Storage	Store at -20°C. 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;