

Product Datasheet

Anti-M6PR Rabbit pAb



For Research Use Only. Not For Use In Diagnostic Procedures

WL02758

Product Information

Product name	Anti-M6PR Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:1000-1:2000
	IHC	1:100-1:400
	IF	1:500
Cellular localization	Endosome, Golgi apparatus, Membrane	
Pack size	50/100/200/500/1000µl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background

Insulin-like growth factor 2 (IGF-2) receptor, also widely known as M6PR, is a multifunctional type I transmembrane glycoprotein that participates in the internalization of mannose-6-phosphate modified hydrolases and IGF-2 from the plasma membrane. M6PR functions to clear IGF2 from the cell surface to attenuate signalling, and to transport lysosomal acid hydrolase precursors from the Golgi apparatus to the lysosome. After binding IGF2 at the cell surface, M6PRs accumulate in forming clathrin-coated vesicles and are internalized. In the lumen of the trans-Golgi network, the M6PR binds M6P-tagged cargo. In several research studies, M6PR has been recognized as a tumor suppressor in a number of cancers.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of M6PR.

Purification

Polyclonal antibody was purified by Protein A affinity chromatography.

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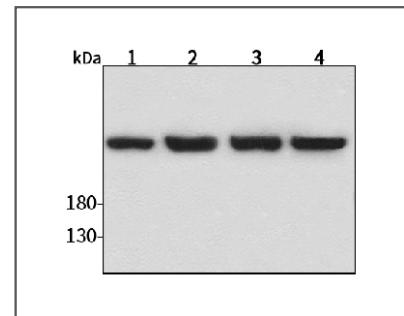
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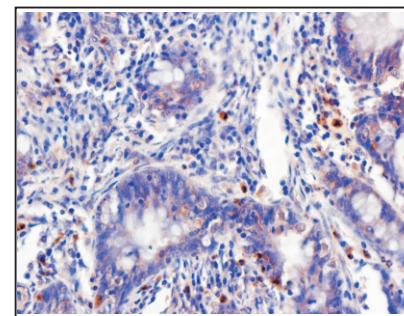
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Product Images



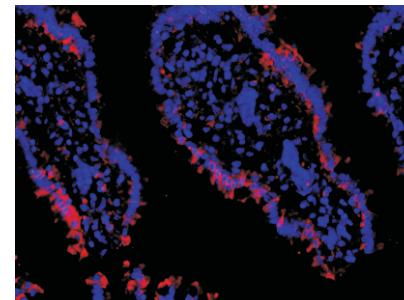
Western blot-Anti-M6PR pAb

Lane 1: Human HepG2 cell lysate
 Lane 2: Human Hela cell lysate
 Lane 3: Human BGC-823 cell lysate
 Lane 4: Human MGC-803 cell lysate
 All lanes: Anti-M6PR at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 274 kDa
 Observed band size: 274 kDa



Immunohistochemistry-Anti-M6PR pAb

Immunohistochemical analysis of paraffin-embedded human colon cancer using anti-M6PR Rabbit Antibody at 1:200 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-M6PR pAb

Immunofluorescence analysis of paraffin-embedded rat intestine using anti-M6PR Rabbit Antibody at 1:200 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0