

Product datasheet

Anti-M6PR (cation independent) antibody ab61774

2 Images

Overview

Product name	Anti-M6PR (cation independent) antibody
Description	Rabbit polyclonal to M6PR (cation independent)
Host species	Rabbit
Specificity	ab61774 detects endogenous levels of total Mannose 6 Phosphate Receptor (Cation independent) protein.
Tested applications	Suitable for: IHC-P, ELISA, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Synthetic non-phosphopeptide derived from human Mannose 6 Phosphate Receptor (Cation independent) around the phosphorylation site of serine 2484 (D-D-S-D-E).
Positive control	Human lung carcinoma tissue, 293 cell extracts and HeLa cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg ²⁺ and Ca ²⁺), 150mM Sodium chloride, pH 7.4
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab61774** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

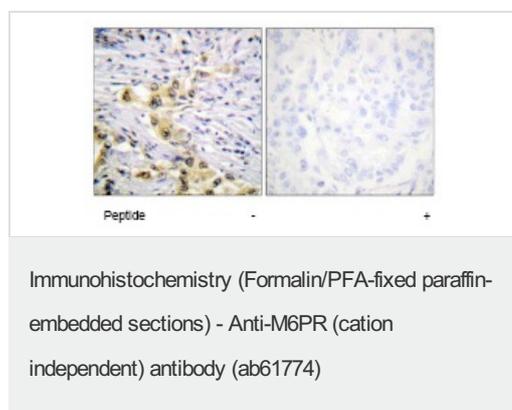
Application	Abreviews	Notes
IHC-P		1/50 - 1/100.

Application	Abreviews	Notes
ELISA		1/20000.
ICC/IF		1/500 - 1/1000.

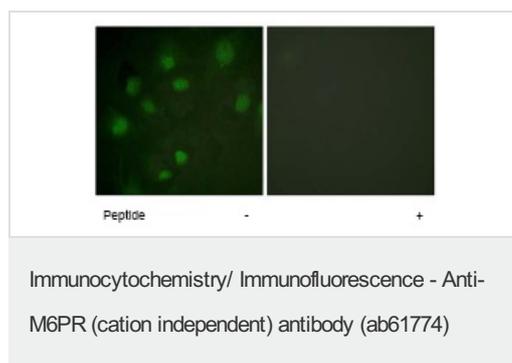
Target

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. This receptor also binds IGF2. Acts as a positive regulator of T-cell coactivation, by binding DPP4.
Sequence similarities	Belongs to the MRL1/IGF2R family. Contains 1 fibronectin type-II domain.
Domain	Contains 15 repeating units of approximately 147 AA harboring four disulfide bonds each. The most highly conserved region within the repeat consists of a stretch of 13 AA that contains cysteines at both ends.
Cellular localization	Lysosome membrane. Colocalized with DPP4 in internalized cytoplasmic vesicles adjacent to the cell surface.

Images



ab61774 at 1/50 - 1/100 dilution staining Mannose 6 Phosphate (Cation independent) in human lung carcinoma by Immunohistochemistry, Paraffin-embedded tissue, in the absence or presence of the immunising peptide.



ab61774 at 1/500 - 1/1000 dilution staining Mannose 6 Phosphate Receptor (Cation independent) in HeLa cells by Immunofluorescence, in the absence or presence of the immunising peptide.

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