

## Rabbit Mannose 6 Phosphate Receptor(Cation independent) Polyclonal Antibody | anti-IGF2R antibody

Anti-Mannose 6 Phosphate Receptor(Cation independent) antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                            |
|-----------|--------|-------------------|---------------------------------------------------------|
| AAA45716  | Rabbit | Human, Mouse, Rat | Immunocytochemistry, Immunohistochemistry, Western Blot |

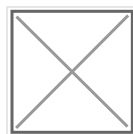
### PRODUCT SYNONYMS

Mannose 6 Phosphate Receptor(Cation independent); Polyclonal Antibody; Anti-Mannose 6 Phosphate Receptor(Cation independent) antibody; Cation-independent mannose-6-phosphate receptor; insulin-like growth factor 2 receptor; 300 kDa mannose 6 phosphate receptor antibody; 300 kDa mannose 6-phosphate receptor antibody; Cation independent mannose 6 phosphate receptor antibody; Cation-independent mannose-6-phosphate receptor antibody; CD222 antibody; CD222 antigen antibody; CI Man 6 P receptor antibody; CI Man-6-P receptor antibody; CI MPR antibody; CI-MPR antibody; CIMPR antibody; IGF 2 receptor antibody; IGF 2R antibody; IGF II receptor antibody; IGF-II receptor antibody; IGF2 receptor antibody; IGF2R antibody; Insulin like growth factor 2 receptor antibody; Insulin like growth factor II receptor antibody; Insulin-like growth factor 2 receptor antibody; Insulin-like growth factor II receptor antibody; M6P R antibody; M6P/IGF2 receptor antibody; M6P/IGF2R antibody; M6PR antibody; MPR 300 antibody; MPR300 antibody; MPRI antibody; MPRI\_HUMAN antibody; anti-IGF2R antibody

### PRODUCT SPECIFICATIONS

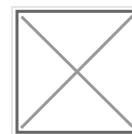
|                                                 |                                                                                                                                                                                                                                    |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                             |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                                                  |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                         |
| Isotype                                         | IgG                                                                                                                                                                                                                                |
| Purity/Purification                             | Immunogen affinity purified.                                                                                                                                                                                                       |
| Form/Format                                     | Lyophilized                                                                                                                                                                                                                        |
| Sequence Length                                 | 2491                                                                                                                                                                                                                               |
| Applicable Applications for anti-IGF2R antibody | ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                           |
| Immunogen                                       | A synthetic peptide corresponding to a sequence at the C-terminus of human Mannose 6 Phosphate Receptor (Cation independent) (2475-2491aa TKLVSFHDDSDDLLHI), different from the related rat and mouse sequences by one amino acid. |
| Contents                                        | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg Na <sub>3</sub> .                                                                                                       |
| Reconstitution                                  | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                                                                                                                                               |
| Preparation and Storage                         | At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.                               |

### IMAGES



#### WB (Western Blot)

Anti-Mannose 6 Phosphate Receptor(Cation independent) antibody, Western blottingAll lanes:  
Anti Mannose 6 Phosphate Receptor (Cation independent) (AAA45716) at 0.5ug/mlLane 1:  
HELA Whole Cell Lysate at 40ugLane 2: JURKAT Whole Cell Lysate at 40ugLane 3: 22RV1  
Whole Cell Lysate at 40ugLane 4: 293T Whole Cell Lysate at 40ugPredicted bind size:  
274KDObserved bind size: 274KD



#### ICC (Immunocytochemistry)

Anti-Mannose 6 Phosphate Receptor(Cation independent) antibody, AAA45716, ICCICC:  
HCT116 Cell



#### IHC (Immunohistochemistry)

Anti-Mannose 6 Phosphate Receptor(Cation independent) antibody, AAA45716,  
IHC(P)IHC(P): Human Intestinal Cancer Tissue

### ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-IGF2R antibody</b> | <p><b>Description:</b> Rabbit IgG polyclonal antibody for Cation-independent mannose-6-phosphate receptor(IGF2R) detection. Tested with WB, IHC-P, ICC in Human, Mouse, Rat.</p> <p><b>Background:</b> Insulin-like growth factor 2 receptor, also called IGF2R or I-MPR is a protein that in humans is encoded by the IGF2R gene. This gene is mapped to 6q25.3. This gene encodes a receptor for both insulin-like growth factor 2 and mannose 6-phosphate, although the binding sites for either are located on different segments of the receptor. This receptor functions in the intracellular trafficking of lysosomal enzymes, the activation of transforming growth factor beta, and the degradation of insulin-like growth factor 2. While the related mouse gene shows exclusive expression from the maternal allele, imprinting of the human gene appears to be polymorphic, with only a minority of individuals showing expression from the maternal allele.</p> |
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### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 317373416                                                                                                                                                                                                                                                                 |
| NCBI GeneID                      | 3482                                                                                                                                                                                                                                                                      |
| UniProt Accession #              | P11717; Q7Z7G9; Q96PT5                                                                                                                                                                                                                                                    |
| Molecular Weight                 | 274,375 Da                                                                                                                                                                                                                                                                |
| NCBI Official Full Name          | Cation-independent mannose-6-phosphate receptor                                                                                                                                                                                                                           |
| NCBI Official Synonym Full Names | insulin-like growth factor 2 receptor                                                                                                                                                                                                                                     |
| NCBI Official Symbol             | IGF2R                                                                                                                                                                                                                                                                     |
| NCBI Official Synonym Symbols    | MPR1; MPRI; CD222; CIMPR; M6P-R                                                                                                                                                                                                                                           |
| NCBI Protein Information         | cation-independent mannose-6-phosphate receptor; M6PR; CI-MPR; MPR 300; M6P/IGF2R; IGF-II receptor; M6P/IGF2 receptor; CI Man-6-P receptor; 300 kDa mannose 6-phosphate receptor; insulin-like growth factor II receptor; cation-independent mannose-6 phosphate receptor |
| UniProt Protein Name             | Cation-independent mannose-6-phosphate receptor                                                                                                                                                                                                                           |
| UniProt Gene Name                | IGF2R                                                                                                                                                                                                                                                                     |
| UniProt Synonym Gene Names       | MPRI; CI Man-6-P receptor; CI-MPR; M6PR; MPR 300; IGF-II receptor; M6P/IGF2R                                                                                                                                                                                              |
| UniProt Entry Name               | MPRI_HUMAN                                                                                                                                                                                                                                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/mannose-6-phosphate-receptorcation-independent-antibody-immunocytochemistry-immunohistochemistry-western-blot-elisa/45716>