

IGF2R

Reactivity: Human Mouse Rat

Tested applications: WB IHC ICC IP FC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200 ICC 1:50 - 1:200 IP 1:20 - 1:50
FC 1:20 - 1:50

Calculated MW: 274 kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human IGF2R

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

MPR1; MPRI; CD222; CIMPR; M6P-R; MPR300; CI-M6PR; MPR 300; M6P/IGF2R;

Catalog #: A10916

Antibody Type:

Monoclonal Antibody

Species: Rabbit

Gene ID: 3482

Isotype: IgG

Swiss Prot: P11717

Purity: Affinity purification

For research use only.

Background:

This gene encodes a receptor for both insulin-like growth factor 2 and mannose 6-phosphate. The binding sites for each ligand are located on different segments of the protein. This receptor has various functions, including in the intracellular trafficking of lysosomal enzymes, the activation of transforming growth factor beta, and the degradation of insulin-like growth factor 2. Mutation or loss of heterozygosity of this gene has been associated with risk of hepatocellular carcinoma. The orthologous mouse gene is imprinted and shows exclusive expression from the maternal allele; however, imprinting of the human gene may be polymorphic, as only a minority of individuals showed biased expression from the maternal allele (PMID:8267611).

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