

Product Name: KD-Validated IGF2R Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01086**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,ICC
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:4,000-1:20,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 274.4kDa

Antigen Information

Gene Name	IGF2R IGF2R; Insulin Like Growth Factor 2 Receptor; MPRI; CI-M6PR; CI-MPR; MPR300; CD222; CIMPR; M6P-R; MPR1; Cation-Independent Mannose-6-Phosphate Receptor; Insulin-Like
Alternative Names	Growth Factor II Receptor; Insulin-Like Growth Factor 2 Receptor; 300 kDa Mannose 6-Phosphate Receptor; CI Man-6-P Receptor; M6P/IGF2 Receptor; IGF-II Receptor; M6P/IGF2R; MPR 300; Cation-Independent Mannose-6 Phosphate Receptor; CD222 Antigen; M6PR
Gene ID	3482.0
SwissProt ID	P11717
Immunogen	A synthesized peptide derived from human M6PR/IGF2R

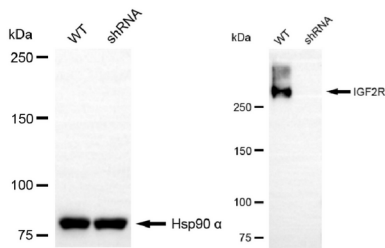
Background

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 association 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). [provided by RefSeq, Nov 2015]

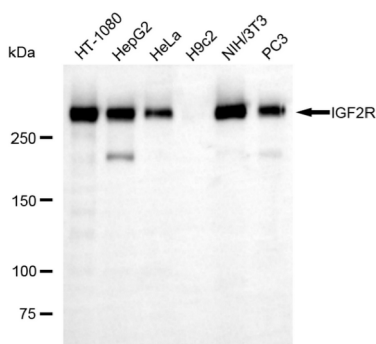
Research Area

Immunology,Tags & Cell Markers,Signal Transduction,Neuroscience

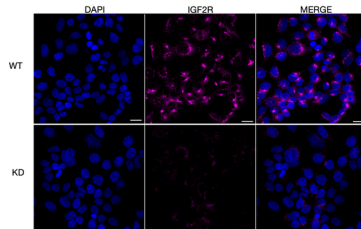
Image Data



Western blotting analysis using IGF2R antibody (KVA01086). IGF2R expression in wild-type (WT) and IGF2R shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with IGF2R antibody (KVA01086, 1:20,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using IGF2R antibody (KVA01086). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with IGF2R antibody (KVA01086, 1:20,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells using IGF2R antibody (KVA01086, 1:1,000), Top panel: wild-type (WT); Bottom panel: IGF2R shRNA knockdown (KD). Nuclei were stained blue with DAPI; IGF2R was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.