

For Research Use Only

IGF-II R/IGF2R Recombinant monoclonal antibody, PBS Only

Catalog Number:86821-1-PBS



Basic Information

Catalog Number:

86821-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3488

GenBank Accession Number:

NM_000876.4

GeneID (NCBI):

3482

UNIPROT ID:

P11717

Full Name:

insulin-like growth factor 2 receptor

Calculated MW:

274 kDa

Observed MW:

300 kDa

Purification Method:

Protein A purification

CloneNo.:

251265D1

Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human

Background Information

IGF2R, also named as MPRI, CI Man-6-P receptor, CI-MPR, M6PR, IGF-II receptor, M6P/IGF2R, MPR 300 and CD222, belongs to the MRL1/IGF2R family. IGF2R transports of phosphorylated lysosomal enzymes from the Golgi complex and the cell surface to lysosomes. IGF2R is a 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. IGF2R acts as a positive regulator of T-cell coactivation, by binding DPP4.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

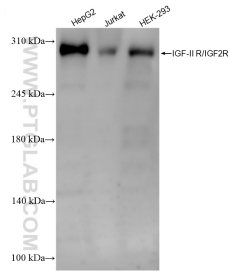
T: 4006900926

E: Proteintech-CN@ptglab.com

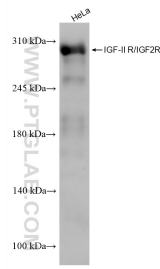
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

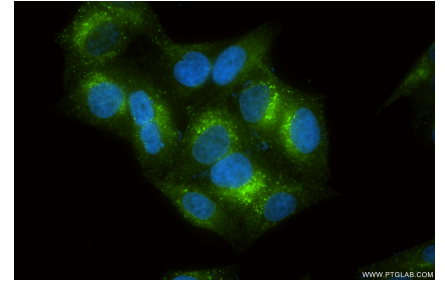
Selected Validation Data



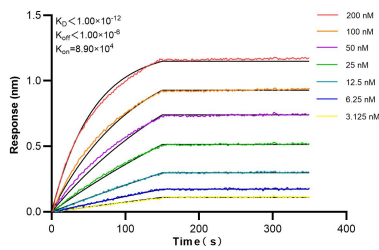
Various lysates were subjected to SDS PAGE followed by western blot with 86821-1-RR (IGF-II R/IGF2R antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86821-1-PBS in a different storage buffer formulation.



HeLa cells were subjected to SDS PAGE followed by western blot with 86821-1-RR (IGF-II R/IGF2R antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86821-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using IGF-II R/IGF2R antibody (86821-1-RR, Clone: 251265D1) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 86821-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86821-1-RR against Human IGF-II R/IGF2R were performed. The affinity constant is below 1 pM.