

For Research Use Only

MAN1A1 Recombinant antibody

Catalog Number: 86094-1-RR



Basic Information

Catalog Number:

86094-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG20060

GenBank Accession Number:

BC065827

GeneID (NCBI):

4121

UNIPROT ID:

P33908

Full Name:

mannosidase, alpha, class 1A, member 1

Calculated MW:

653 aa, 73 kDa

Observed MW:

68 kDa

Purification Method:

Protein A purification

CloneNo.:

250444H2

Recommended Dilutions:

WB: 1:5000-1:50000

IF/ICC: 1:500-1:2000

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : HepG2 cells, K-562 cells, HEK-293 cells, human urine

IF/ICC : HepG2 cells,

Background Information

MAN1A1, also known as HUMM3, HUMM9, MAN9, belongs to the glycosyl hydrolase 47 family. MAN1A1 is a type II transmembrane protein and catalyzes the hydrolysis of three terminal mannose residues from peptide-bound Man(9)-GlcNAc(2) oligosaccharides. MAN1A1 is a tumor-suppressor and low levels of expression of MAN1A1 correlate with poor prognosis in breast cancer patients (PMID: 29381688).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

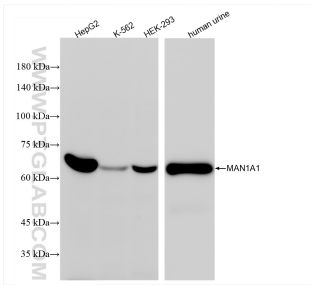
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E: Proteintech-CN@ptglab.com

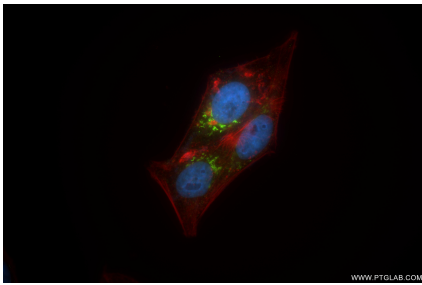
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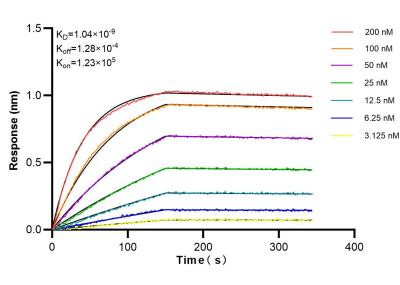
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86094-1-RR (MAN1A1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using MAN1A1 antibody (86094-1-RR, Clone: 250444H2) at dilution of 1:1000 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 86094-1-RR against Human MAN1A1 were performed. The affinity constant is 1.04 nM.