

For Research Use Only

# MAN1A1 Recombinant antibody

Catalog Number: 86094-1-RR



## Basic Information

<b>Catalog Number:</b> 86094-1-RR	<b>GenBank Accession Number:</b> BC065827	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4121	<b>CloneNo.:</b> 250444H2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P33908	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IF/ICC: 1:500-1:2000
<b>Isotype:</b> IgG	<b>Full Name:</b> mannosidase, alpha, class 1A, member 1	
<b>Immunogen Catalog Number:</b> AG20060	<b>Calculated MW:</b> 653 aa, 73 kDa <b>Observed MW:</b> 68 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> HepG2 cells, K-562 cells, HEK-293 cells, human urine <b>IF/ICC :</b> 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

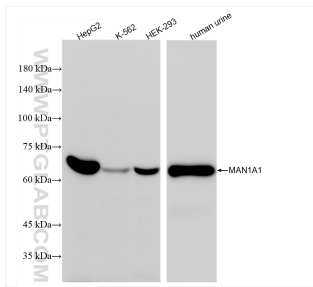
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

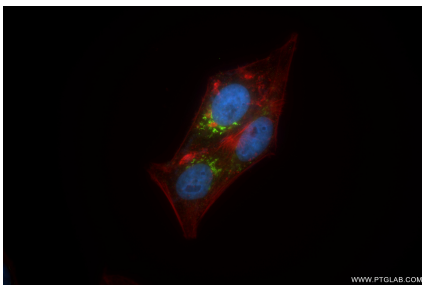
For technical support and original validation data for this product please contact:  
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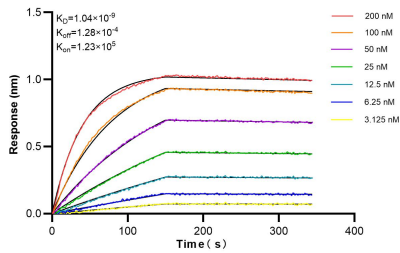
## Selected Validation Data



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.