

For Research Use Only

# HAPLN1 Recombinant antibody, PBS Only

Catalog Number: 84374-4-PBS



## Basic Information

Catalog Number: 84374-4-PBS	GenBank Accession Number: BC057808	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 1404	CloneNo.: 241588E9
Source: Rabbit	UNIPROT ID: P10915	
Isotype: IgG	Full Name: hyaluronan and proteoglycan link protein 1	
Immunogen Catalog Number: AG25221	Calculated MW: 40 kDa	
	Observed MW: 40-45 kDa	

## Applications

Tested Applications:  
WB, Indirect ELISA

Species Specificity:  
human, mouse, rat

## Background Information

HAPLN1 (hyaluronan and proteoglycan link protein 1), also known as CRTL1. It is expected to be located in the cytoplasm and extracellular, and the protein is mainly expressed in placenta and small intestine. The calculated molecular weight of HAPLN1 is 40 kDa. HAPLN1 binds to aggrecan on the hyaluronic chain, stabilizing the aggregates and thus increasing compression resistance and shock absorption. HAPLN1 also functions as a growth factor, up regulating aggrecan and type II collagen synthesis in cartilage. It seems to be an essential part of cartilage homeostasis and may also contribute to homeostasis in the disc tissue (PMID: 23537453). It is reported in the literature that it is a double band.(PMID: 26341258)

## 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

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

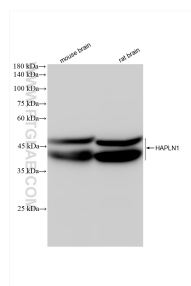
T: 4006900926

E: Proteintech-CN@ptglab.com

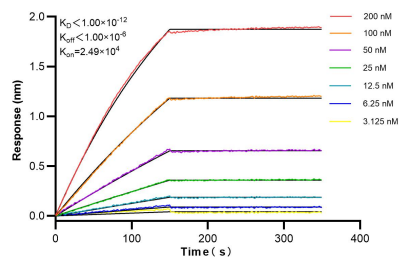
W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84374-4-RR (HAPLN1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84374-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84374-4-RR against Human HAPLN1 were performed. The affinity constant is below 1 pM.