

For Research Use Only

HAPLN1 Recombinant antibody

Catalog Number: 84374-4-RR



Basic Information

Catalog Number: 84374-4-RR	GenBank Accession Number: BC057808	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1404	CloneNo.: 241588E9
Source: Rabbit	UNIPROT ID: P10915	Recommended Dilutions: WB 1:5000-1:50000
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, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue
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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

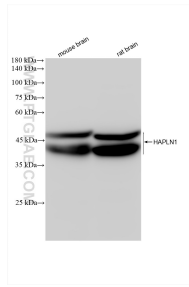
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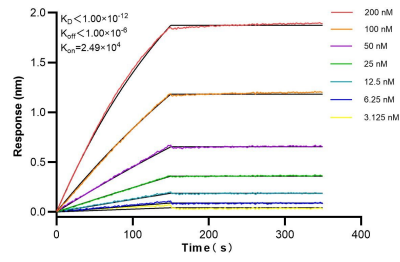
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Selected Validation Data



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.



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