

For Research Use Only

Decorin Recombinant antibody

Catalog Number:83753-4-RR



Basic Information

Catalog Number: 83753-4-RR	GenBank Accession Number: BC005322	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 1634	CloneNo.: 240781E3
Source: Rabbit	UNIPROT ID: P07585	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: decorin	
Immunogen Catalog Number: AG6275	Calculated MW: 359 aa, 40 kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications:
WB, FC (Intra), ELISA

Species Specificity:
human, mouse, rat

Positive Controls:
WB : MCF-7 cells, ROS1728 cells, mouse colon tissue

Background Information

Decorin is a member of the small leucine-rich proteoglycan family of proteins. Decorin interacts with type I collagen fibrils, thereby influencing the kinetics of fibril formation and the distance between adjacent collagen fibrils. The binding of this protein to multiple cell surface receptors mediates its role in tumor suppression, including a stimulatory effect on autophagy and inflammation and an inhibitory effect on angiogenesis and tumorigenesis. Decorin (~ 40 kDa) also binds glycosaminoglycan chains to form big molecules.

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.

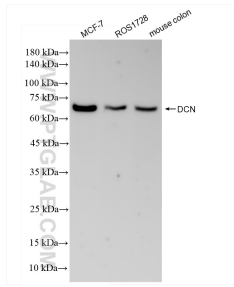
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

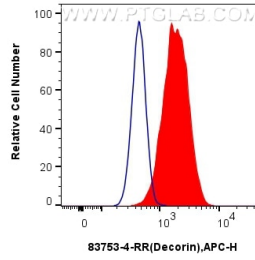
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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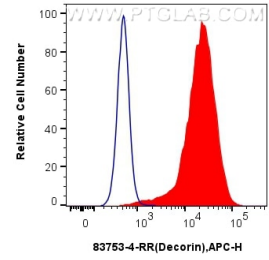
Selected Validation Data



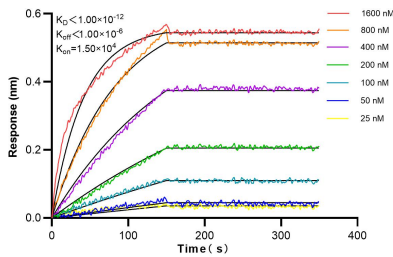
Various lysates were subjected to SDS PAGE followed by western blot with 83753-4-RR (Decorin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1×10^6 HepG2 cells were intracellularly stained with 0.25 ug Decorin Recombinant antibody (83753-4-RR, Clone:240781E3) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1×10^6 HEK-293 cells were intracellularly stained with 0.25 ug Decorin Recombinant antibody (83753-4-RR, Clone:240781E3) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Bi-layer interferometry (BLI) kinetic assays of 83753-4-RR against Human Decorin were performed. The affinity constant is below 1 pM.