

For Research Use Only

SEL1L Recombinant antibody, PBS Only

Catalog Number: 84317-7-PBS



Basic Information

Catalog Number: 84317-7-PBS	GenBank Accession Number: NM_005065	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 6400	CloneNo.: 241594G2
Source: Rabbit	UNIPROT ID: Q9UBV2	
Isotype: IgG	Full Name: sel-1 suppressor of lin-12-like (C. elegans)	
Immunogen Catalog Number: AG32178	Calculated MW: 89 kDa	
	Observed MW: 89 kDa	

Applications

Tested Applications:
WB, FC (Intra), Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

SEL1L (Suppressor Enhancer Lin-12 Like) is an endoplasmic reticulum-resident transmembrane protein that plays a critical role in collagen metabolism. It has been identified as an intracellular rheostat controlling collagen turnover, which is the balance between collagen synthesis and degradation. The protein's luminal face contains a Fibronectin-2 (FN2) domain, which is known to bind collagen. SEL1L functions as a sensor of collagen biosynthesis and is necessary for the upregulation of MRC2 (mannose receptor, C-type 2), a collagen endocytic receptor that mediates the clearance of collagen. .

Storage

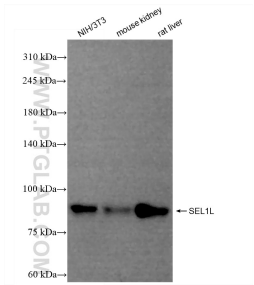
Storage:
Store at -80°C.

Storage Buffer:
PBS only

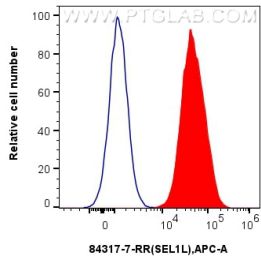
For technical support and original validation data for this product please contact:
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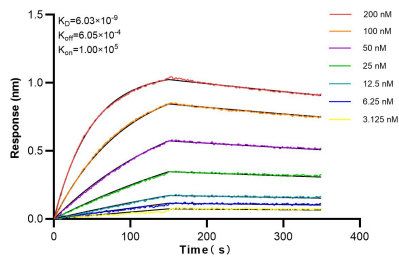
Selected Validation Data



Mouse kidney tissue, rat liver tissue were subjected to SDS PAGE followed by western blot with 84317-7-RR (SEL1L antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84317-7-PBS in a different storage buffer formulation.



1x10⁶ MCF-7 cells were intracellularly stained with 0.25 ug SEL1L Recombinant antibody (84317-7-RR, Clone:241594G2) and APC-Conjugated 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). This data was developed using the same antibody clone with 84317-7-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84317-7-RR against Human SEL1L were performed. The affinity constant is 6.03 nM.