

For Research Use Only

SLC38A9 Recombinant antibody

Catalog Number:83182-5-RR



Basic Information

Catalog Number: 83182-5-RR	GenBank Accession Number: BC066891	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 153129	CloneNo.: 240039E7
Source: Rabbit	UNIPROT ID: Q8NBW4	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: solute carrier family 38, member 9	
Immunogen Catalog Number: AG15607	Calculated MW: 561 aa, 64 kDa	
	Observed MW: 50-55 kDa	

Applications

Tested Applications:
WB, FC (Intra), ELISA

Species Specificity:
human, mouse

Positive Controls:
WB : mouse pancreas tissue,

Background Information

The mTOR complex 1 (mTORC1) protein kinase is a master growth regulator that responds to multiple environmental cues. The lysosomal amino acid transporter SLC38A9 is a physical and functional component of this sensing complex. SLC38A9 (Solute Carrier Family 38 Member 9) was first identified as a potential amino acid transporter belonging to the slc38 family. SLC38A9 has some isoforms: 64,53,57 kDa.

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

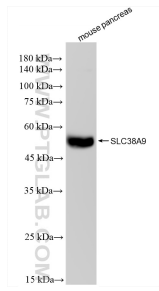
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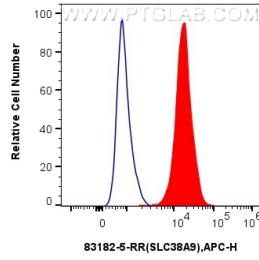
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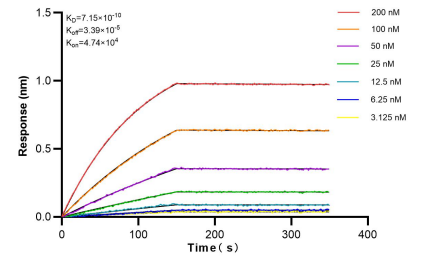
Selected Validation Data



mouse pancreas tissue were subjected to SDS PAGE followed by western blot with 83182-5-RR (SLC38A9 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1×10^6 U2OS cells were intracellularly stained with 0.25 μ g SLC38a9 Recombinant Antibody (83182-5-RR, Clone:240039E7) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Biacore interferometry (BLI) kinetic assays of 83182-5-RR against Human SLC38A9 were performed. The affinity constant is 0.715 nM.