

For Research Use Only

SLC38A7 Recombinant antibody

Catalog Number:83346-6-RR



Basic Information

Catalog Number: 83346-6-RR	GenBank Accession Number: BC001961	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 55238	CloneNo.: 240147C3
Source: Rabbit	UNIPROT ID: Q9NVC3	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG	Full Name: solute carrier family 38, member 7	
Immunogen Catalog Number: AG35081	Calculated MW: 50 kDa	
	Observed MW: 37 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : Caco-2 cells, human liver tissue
Species Specificity: human	

Background Information

SLC38A7 also known as SNAT7, is a member of the SLC38 family that encodes sodium-coupled neutral amino acid transporters. SLC38A7 is a system N transporter that has a substrate preference for L-glutamine. It also transports other amino acids with polar side chains, as well as L-histidine and L-alanine (PMID: 21511949).

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

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

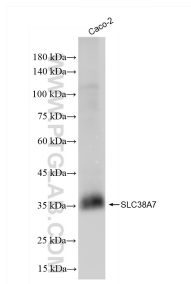
T: 4006900926

E: Proteintech-CN@ptglab.com

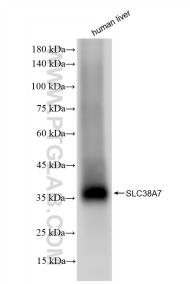
W: ptgcn.com

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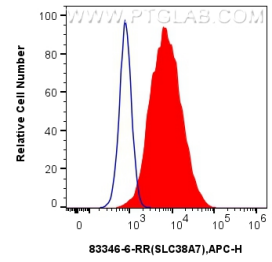
Selected Validation Data



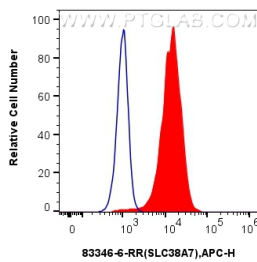
Caco-2 cells were subjected to SDS PAGE followed by western blot with 83346-6-RR (SLC38A7 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



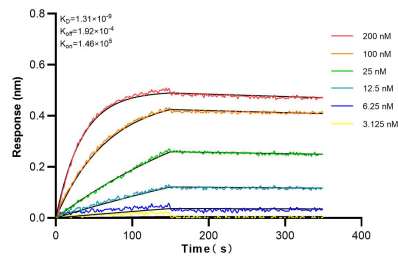
human liver tissue was subjected to SDS PAGE followed by western blot with 83346-6-RR (SLC38A7 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



1×10^6 Caco-2 cells were intracellularly stained with 0.25 μ g SLC38A7 Recombinant antibody (83346-6-RR, Clone:240147C3) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1×10^6 U-251 cells were intracellularly stained with 0.25 μ g SLC38A7 Recombinant antibody (83346-6-RR, Clone:240147C3) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83346-6-RR against Human SLC38A7 were performed. The affinity constant is 1.31 nM.