

For Research Use Only

SLC30A1 Recombinant antibody, PBS Only



Catalog Number: 82895-2-PBS

Basic Information

Catalog Number: 82895-2-PBS	GenBank Accession Number: BC121015	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 7779	CloneNo.: 230152E10
Source: Rabbit	UNIPROT ID: Q9Y6M5	
Isotype: IgG	Full Name: solute carrier family 30 (zinc transporter), member 1	
Immunogen Catalog Number: AG18567	Calculated MW: 507 aa, 55 kDa	
	Observed MW: 55-63 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human

Background Information

Zinc transporter 1 (ZNT1), also known as SLC30A1, is the only zinc transporter predominantly located on the plasma membrane, where it plays a pivotal role exporting cytosolic zinc to the extracellular space. SLC30A1 expression is posttranslationally regulated by cellular zinc status and can be N-glycosylated on Asn299 in the extracellular loop between transmembrane domains (PMID: 15451416, 18936201). Western analysis detected a higher band at 63 kDa than the expected molecular mass, which could be attributed to the properties of the cytosolic histidine-rich loop (PMID: 31471319).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

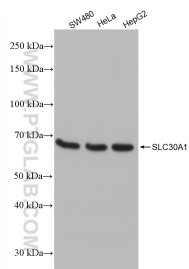
T: 4006900926

E: Proteintech-CN@ptglab.com

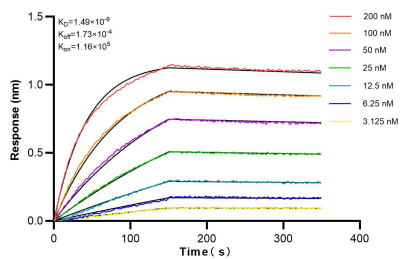
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82895-2-RR (SLC30A1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82895-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82895-2-RR against Human SLC30A1 were performed. The affinity constant is 1.49 nM.