

For Research Use Only

SLC30A1 Recombinant antibody

Catalog Number: 82895-2-RR



Basic Information

Catalog Number:

82895-2-RR

Size:

100ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18567

GenBank Accession Number:

BC121015

GeneID (NCBI):

7779

UNIPROT ID:

Q9Y6M5

Full Name:

solute carrier family 30 (zinc transporter), member 1

Calculated MW:

507 aa, 55 kDa

Observed MW:

63-75 kDa

Purification Method:

Protein A purification

CloneNo.:

230152E10

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : SW480 cells, HeLa cells, HepG2 cells

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 -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

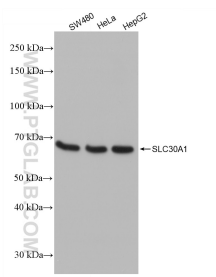
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

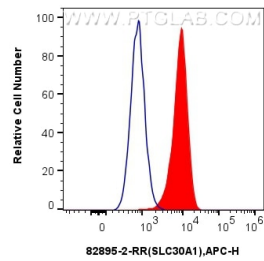
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

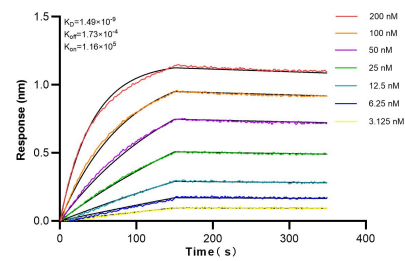
Selected Validation Data



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.



1x10⁶ U2OS cells were intracellularly stained with 0.25 ug SLC30A1 Recombinant antibody (82895-2-RR, Clone:230152E10) 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).



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