

For Research Use Only

# SLC30A1 Recombinant antibody, PBS Only



Catalog Number: 82895-2-PBS

## Basic Information

<b>Catalog Number:</b> 82895-2-PBS	<b>GenBank Accession Number:</b> BC121015	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7779	<b>CloneNo.:</b> 230152E10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y6M5	
<b>Isotype:</b> IgG	<b>Full Name:</b> solute carrier family 30 (zinc transporter), member 1	
<b>Immunogen Catalog Number:</b> AG18567	<b>Calculated MW:</b> 507 aa, 55 kDa	
	<b>Observed MW:</b> 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

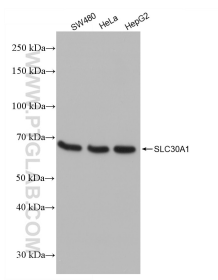
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

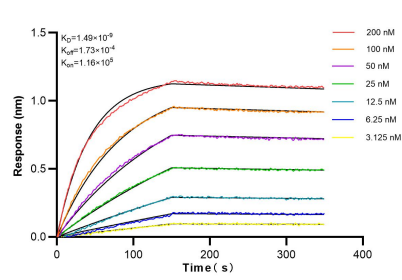
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## Selected Validation Data



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.