

For Research Use Only

# ZIP1 Polyclonal antibody

Catalog Number: 26799-1-AP



## Basic Information

Catalog Number:

26799-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24937

GenBank Accession Number:

BC003152

GeneID (NCBI):

27173

UNIPROT ID:

Q9NY26

Full Name:

solute carrier family 39 (zinc transporter), member 1

Calculated MW:

324 aa, 34 kDa

Observed MW:

34 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : PC-3 cells, U2OS cells

## Background Information

SLC39A1, also known as ZIP1, is a member of the zinc-iron permease family. It is localized to the cell membrane and acts as a zinc uptake transporter. SLC39A1 mediates the influx of Zn<sup>2+</sup> into cells from extracellular space (PMID: 16844077). SLC39A1 is the major importer of zinc from circulating blood plasma into prostate cells (PMID: 12888280). In mesenchymal stem cells (MSCs), ZIP1 may exist as a dimer with a molecular weight of 70kD (PMID: 16203195).

## 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

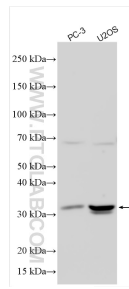
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 26799-1-AP (ZIP1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.