

# ZnT3 Monoclonal antibody

Catalog Number: 67262-1-Ig

## Basic Information

Catalog Number:

67262-1-Ig

Size:

2000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG10735

GenBank Accession Number:

BC028358

GeneID (NCBI):

7781

UNIPROT ID:

Q99726

Full Name:

solute carrier family 30 (zinc transporter), member 3

Calculated MW:

388 aa, 42 kDa

Observed MW:

38-40 kDa

Purification Method:

Protein A purification

CloneNo.:

1B9B1

Recommended Dilutions:

WB 1:2000-1:8000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, pig, rat

Positive Controls:

WB : pig brain tissue, HEK-293 cells, Jurkat cells, rat brain tissue, human testis tissue

## Background Information

ZnT3, encoded by SLC30A3, is a member of SLC30A family which is zinc transporter sequestering cytosolic zinc into intracellular compartments or effluxing zinc to the extracellular space. Excessive zinc level can cause neuron apoptosis and lead to cognitive impairments. ZnT3 facilitates the transport and storage of zinc in synaptic vesicles. Abnormal ZnT3 expression has been linked to some neurodegenerative disorders.

## Storage

Storage:

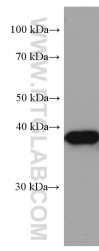
Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



pig brain tissue were subjected to SDS PAGE followed by western blot with 67262-1-Ig (ZnT3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.