

For Research Use Only

# SLC30A8/ZNT8-Specific Polyclonal antibody



Catalog Number: 16169-1-AP

Featured Product

9 Publications

## Basic Information

**Catalog Number:**

16169-1-AP

**Size:**

350 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_173851

**GeneID (NCBI):**

169026

**UNIPROT ID:**

Q8IWU4

**Full Name:**

solute carrier family 30 (zinc transporter), member 8

**Calculated MW:**

41 kDa

**Observed MW:**

45-50 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IHC 1:250-1:1000

IF 1:50-1:500

## Applications

**Tested Applications:**

IF/ICC, IHC, WB, ELISA

**Cited Applications:**

IF, IHC, WB

**Species Specificity:**

human, mouse

**Cited Species:**

human, rat, Yellow catfish, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB : mouse pancreas tissue,

IHC : human pancreas tissue, human pancreas cancer tissue, human liver cancer tissue

IF : human pancreas tissue,

## Background Information

SLC30A8 (also named as ZNT8) encodes the secretory granule zinc transporter, permitting cellular efflux of zinc. SLC30A8 was recently defined as a autoantigen candidates of type 2 diabetes, although the molecular mechanism through which this phenotype is manifest is incompletely understood.

## Notable Publications

Author	Pubmed ID	Journal	Application
Chengfeng Merriman	30181214	J Biol Chem	
Chengfeng Merriman	29184000	J Biol Chem	WB
Chengfeng Merriman	27875315	J Biol Chem	WB

## 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

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

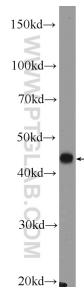
T: 4006900926

E: Proteintech-CN@ptglab.com

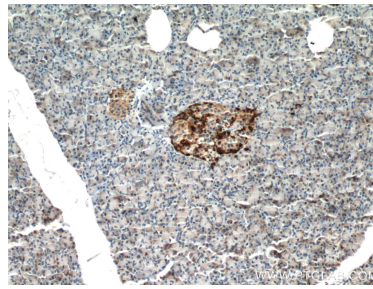
W: ptgcn.com

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

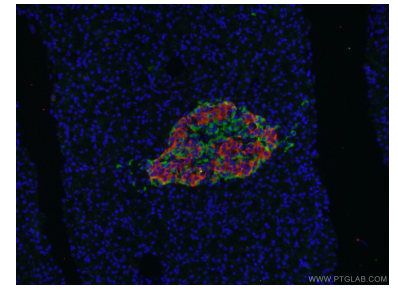
## Selected Validation Data



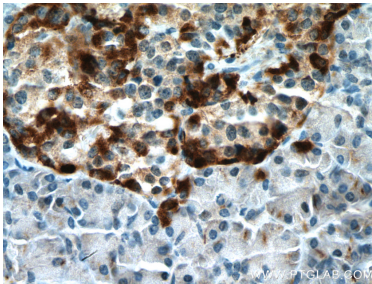
mouse pancreas tissue were subjected to SDS PAGE followed by western blot with 16169-1-AP (SLC30A8/ZNT8-Specific antibody at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 16169-1-AP (SLC30A8/ZNT8-Specific antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human pancreas tissue using 16169-1-AP (SLC30A8/ZNT8-Specific antibody) at dilution of 1:50 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Red: 66198-1-Ig (Insulin antibody).



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 16169-1-AP (SLC30A8/ZNT8-Specific antibody) at dilution of 1:500 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).