

For Research Use Only

# ZIP4 Polyclonal antibody

Catalog Number: 20625-1-AP

Featured Product

22 Publications



## Basic Information

**Catalog Number:**

20625-1-AP

**Size:**

150ul, Concentration: 900 µg/ml by Nanodrop and 513 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG14524

**GenBank Accession Number:**

BC062625

**GeneID (NCBI):**

55630

**UNIPROT ID:**

Q6P5W5

**Full Name:**

solute carrier family 39 (zinc transporter), member 4

**Calculated MW:**

647 aa, 68 kDa

**Observed MW:**

60 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:4000

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, WB, ELISA

**Cited Applications:**

WB, IHC, IF, ColP

**Species Specificity:**

human, mouse

**Cited Species:**

human, rat, mouse, hamster

**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: Colo320 cells, human jejunum tissue

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

## Background Information

ZIP4 is a zinc transporter encoded by the SLC39A4 gene, playing an important role in zinc homeostasis in mammalian cells. Recently, many studies have indicated that ZIP4 plays important roles in many kinds of carcinoma development and progression. ZIP4 may serve as a potential diagnostic and prognostic marker for gliomas and pancreatic cancer.

## Notable Publications

Author	Pubmed ID	Journal	Application
Qipeng Fan	29163813	Oncotarget	WB, IHC
Stephen R Hennigar	27655758	J Nutr	WB
Alexander Scheiter	34748271	Mol Oncol	WB, IHC

## 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

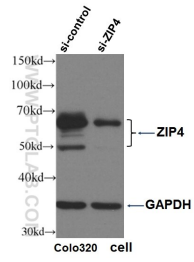
For technical support and original validation data for this product please contact:

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

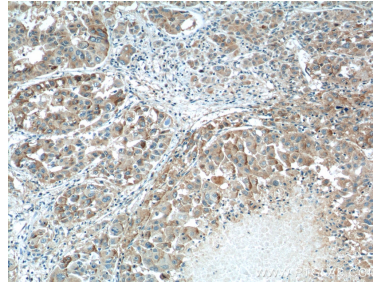
E: proteintech@ptglab.com  
W: ptglab.com

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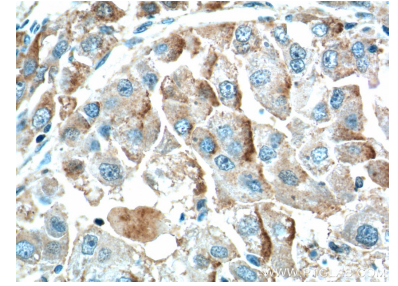
## Selected Validation Data



WB result of ZIP4 antibody (20625-1-AP, 1:2000) with si-control and si-ZIP4 transfected Colo320 cells.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 20625-1-AP (ZIP4 antibody at dilution of 1:200) (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 20625-1-AP (ZIP4 antibody at dilution of 1:200) (under 40x lens).