For Research Use Only

ZIP4 Polyclonal antibody

Catalog Number:20625-1-AP Featured Product 29 Publications

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Basic Information

Catalog Number:
20625-1-AP

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:
68 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:1000-1:4000
IHC: 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IHC, IF, CoIP

Species Specificity:
human

Cited Species:
human, mouse, rat, 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

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

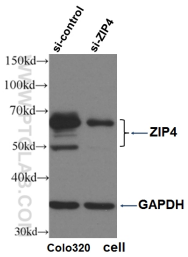
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

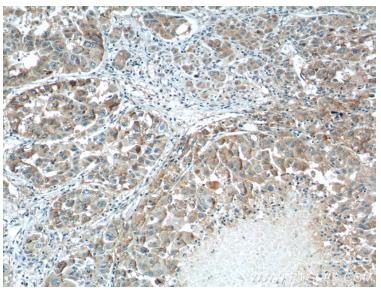
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

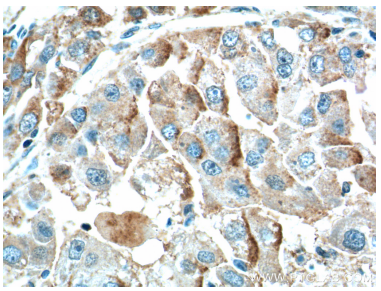
Selected Validation Data



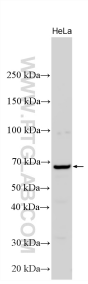
WB result of ZIP4 antibody (20625-1-AP, 1:2000) with si-control and si-ZIP4 transfected Colo320 cells.



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).



Various lysates were subjected to SDS PAGE followed by western blot with 20625-1-AP (ZIP4 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.