

For Research Use Only

ZIP8 Polyclonal antibody

Catalog Number: 20459-1-AP

Featured Product

34 Publications



Basic Information

Catalog Number:

20459-1-AP

Size:

150ul, Concentration: 500 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14292

GenBank Accession Number:

BC012125

GeneID (NCBI):

64116

Full Name:

solute carrier family 39 (zinc transporter), member 8

Calculated MW:

460 aa, 50 kDa

Observed MW:

42-46 kDa, 75-90 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2400

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IHC 1:50-1:500

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

FC, IF, IHC, WB

Species Specificity:

human, mouse

Cited Species:

human, rat, mouse

Positive Controls:

WB: mouse lung tissue, mouse heart tissue, U-937 cells, mouse liver tissue

IP: mouse liver tissue,

IHC: human kidney tissue, human placenta tissue, mouse lung tissue, mouse small intestine tissue, mouse kidney tissue

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

Background Information

SLC39A8, also known as ZIP8, belongs to the ZIP family of metal ion transporters which function to transport zinc and/or other metal ion substrates from the extracellular space or organellar lumen into the cytoplasm. Recently it was found that ZIP8 expression is upregulated in human monocytes in response to LPS, TNF-α, and live bacteria, facilitating cytoprotection during the early inflammation. Besides zinc ZIP8 can also transport cadmium and manganese efficiently. It is predicted that ZIP8 contains 3 potential N-linked glycosylation sites and is subject to glycosylation, which may account for the presences of multiple molecular weights, such as 43 kDa, 49 kDa, 60 kDa, 75-90 kDa, 150 kDa, and 200 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Wenchao Xu	36098277	Andrology	IHC
Yusuf Olgar	30444646	Can J Physiol Pharmacol	WB
Joanna M P Melia	31151823	Biochem Biophys Res Commun	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

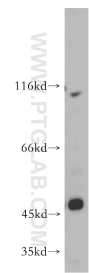
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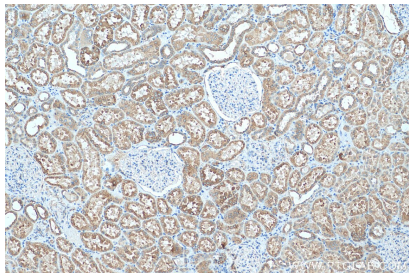
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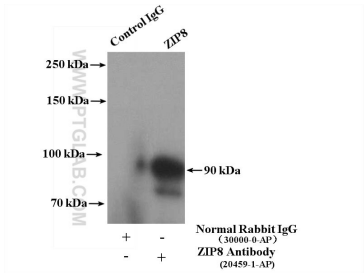
Selected Validation Data



mouse lung tissue were subjected to SDS PAGE followed by western blot with 20459-1-AP (ZIP8 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 20459-1-AP (ZIP8 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-ZIP8 (IP:20459-1-AP, 4ug; Detection:20459-1-AP 1:500) with mouse liver tissue lysate 6000ug.