

For Research Use Only

ZnT4 Polyclonal antibody

Catalog Number: 12623-1-AP

1 Publications



Basic Information

Catalog Number:

12623-1-AP

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3313

GenBank Accession Number:

BC026089

GeneID (NCBI):

7782

UNIPROT ID:

O14863

Full Name:

solute carrier family 30 (zinc transporter), member 4

Calculated MW:

429 aa, 47 kDa

Observed MW:

47 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:16000

IHC 1:250-1:1000

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Positive Controls:

WB : LNCaP cells,

IHC : mouse brain 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

ZnT4, also known as SLC30A4, belongs to the cation diffusion facilitator (CDF) transporter (TC 2.A.4) family and SLC30A subfamily. ZnT4 transports Zn into the trans-Golgi apparatus for lactose synthesis, and across the apical cell membrane for efflux from MECs into milk. ZnT4 is expressed in numerous tissues and is enriched in the prostate. ZnT4 encodes a protein with a molecular weight of 47 kDa (PMID: 26538236).

Notable Publications

Author	Pubmed ID	Journal	Application
Lu-Lu Liu	38740364	Biochim Biophys Acta Gene Regul Mech	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

*** 20ul sizes contain 0.1% BSA

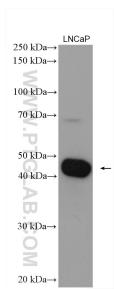
For technical support and original validation data for this product please contact:

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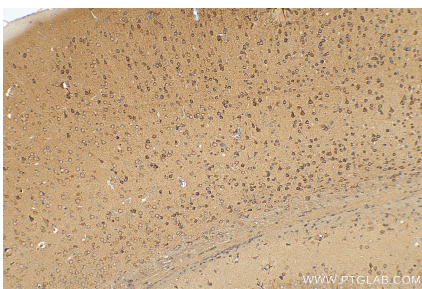
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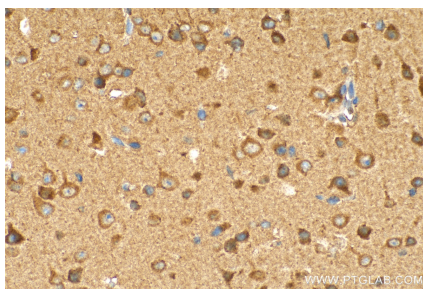
Selected Validation Data



LNCaP cells were subjected to SDS PAGE followed by western blot with 12623-1-AP (ZnT4 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12623-1-AP (ZnT4 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12623-1-AP (ZnT4 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).