

For Research Use Only

ZNT4 Polyclonal antibody

Catalog Number: 12623-1-AP



Basic Information

Catalog Number: 12623-1-AP	GenBank Accession Number: BC026089	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 7782	Recommended Dilutions: WB 1:2000-1:16000 IHC 1:250-1:1000
Source: Rabbit	UNIPROT ID: O14863	
Isotype: IgG	Full Name: solute carrier family 30 (zinc transporter), member 4	
Immunogen Catalog Number: AG3313	Calculated MW: 429 aa, 47 kDa	
	Observed MW: 47 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Species Specificity: human, mouse	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).

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:

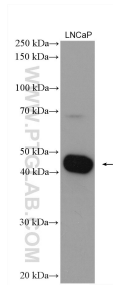
T: 4006900926

E: Proteintech-CN@ptglab.com

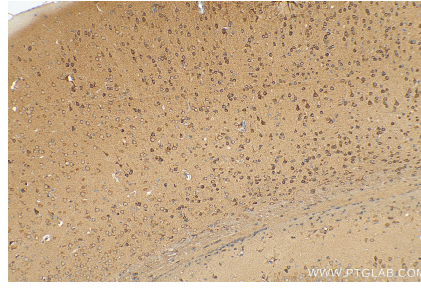
W: ptgcn.com

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

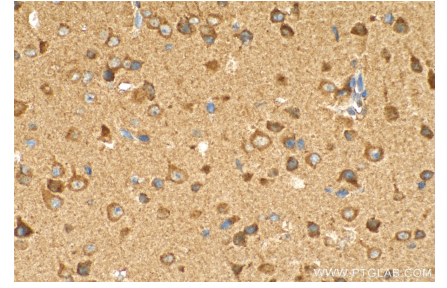
Selected Validation Data



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).