10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ZNT6 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56251

Specification

ZNT6 Polyclonal Antibody - Product Information

Application	**IHC-P, IHC-F, IF, ICC, E**
Primary Accession	Q6NXT4
Reactivity	**Rat, Pig, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**51 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human ZNT6**
Epitope Specificity	**301-400/461**
Isotype	**IgG**

Purity
affinity purified by Protein A

Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SUBCELLULAR LOCATION	**Golgi apparatus > trans-Golgi network membrane. Found in vesicules.**
SIMILARITY	**Belongs to the cation diffusion facilitator (CDF) transporter (TC 2.A.4) family. SLC30A subfamily.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
Zinc functions as a cofactor for numerous enzymes, nuclear factors, and hormones and as an intra- and intercellular signal ion. Members of the zinc transporter (ZNT)/SLC30 subfamily of the cation diffusion facilitator family, such as SLC30A6, permit cellular efflux of zinc (Seve et al., 2004 [PubMed 15154973]).[supplied by OMIM, Mar 2008]

ZNT6 Polyclonal Antibody - Additional Information

Gene ID 55676

Other Names
Zinc transporter 6, ZnT-6, Solute carrier family 30 member 6, SLC30A6, ZNT6

Target/Specificity
Expressed in brain; especially in cerebellum, hippocampus, parahippocampal gyrus, superior and middle temporal gyrus. Also expressed in B cells, colon, eye, and lung. Lower expression was present in bone, brain, cervix, ear, heart, kidney, muscle, nerve, pancreas, prostate, skin, stomach, and testis.

Dilution
IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

ZNT6 Polyclonal Antibody - Protein Information

Name SLC30A6 (HGNC:19305)

Function
Has probably no intrinsic transporter activity but together with SLC30A5 forms a functional zinc ion:proton antiporter heterodimer, mediating zinc entry into the lumen of organelles along the secretory pathway (PubMed:15994300, PubMed:19366695, PubMed:19759014). As part of that zinc ion:proton antiporter, contributes to zinc ion homeostasis within the early secretory pathway and regulates the activation and folding of enzymes like alkaline phosphatases and enzymes involved in phosphatidylinositol glycan anchor biosynthesis (PubMed:15994300, PubMed:19759014, PubMed:35525268).

Cellular Location
Golgi apparatus, trans-Golgi network membrane; Multi-pass membrane protein

Tissue Location
Expressed in brain; especially in cerebellum, hippocampus, parahippocampal gyrus, superior and middle temporal gyrus Also expressed in B-cells, colon, eye, and lung. Lower expression was present in bone, brain, cervix, ear, heart, kidney, muscle, nerve, pancreas, prostate, skin, stomach, and testis

ZNT6 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ZNT6 Polyclonal Antibody - Images

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