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SLC30A6 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP13600C

Specification

SLC30A6 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q6NXT4
Other Accession	Q8BJM5, Q5ZIH3, Q0VC54, Q6GPY1, Q6AZN8, NP_001180442.1, NP_001180443.1, NP_060434.2
Reactivity	**Mouse**
Predicted	**Xenopus, Bovine, Chicken**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**51116**
Antigen Region	**282-310**

SLC30A6 Antibody (Center) - Additional Information

Gene ID 55676

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

Target/Specificity
This SLC30A6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 282-310 amino acids from the Central region of human SLC30A6.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SLC30A6 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC30A6 Antibody (Center) - 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

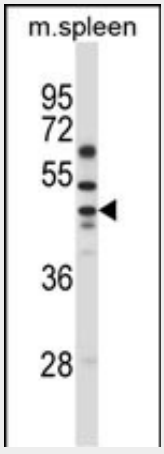
Tissue Location
Expressed in brain; especially in cerebellum, hippocampus, parahippocampal gyrus, superior and middle temporal gyrus Also expressed in B-cells, colon, eye, and lung. Lower expression was present in bone, brain, cervix, ear, heart, kidney, muscle, nerve, pancreas, prostate, skin, stomach,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

SLC30A6 Antibody (Center) - 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

SLC30A6 Antibody (Center) - Images



SLC30A6 Antibody (Center) (Cat. #AP13600c) western blot analysis in mouse spleen tissue lysates (35ug/lane).This demonstrates the SLC30A6 antibody detected the SLC30A6 protein (arrow).

SLC30A6 Antibody (Center) - Background

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]).

SLC30A6 Antibody (Center) - References

Lyubartseva, G., et al. Brain Pathol. 20(2):343-350(2010)
Fukunaka, A., et al. J. Biol. Chem. 284(45):30798-30806(2009)
Olsen, J.V., et al. Cell 127(3):635-648(2006)
Seve, M., et al. BMC Genomics 5 (1), 32 (2004) :
Huang, L., et al. J. Biol. Chem. 277(29):26389-26395(2002)