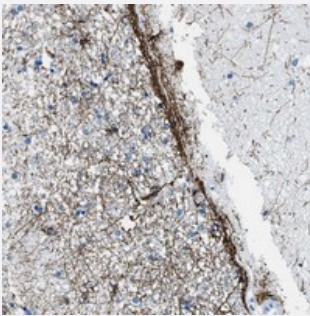


# SLC30A4 polyclonal antibody

Catalog # PAB21018      Size 100 uL

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human hippocampus with SLC30A4 polyclonal antibody (Cat # PAB21018) shows strong cytoplasmic positivity in glial cells at 1:10-1:20 dilution.

## Specification

Product Description	Rabbit polyclonal antibody raised against recombinant SLC30A4.
Immunogen	Recombinant protein corresponding to amino acids of human SLC30A4.
Sequence	PSHLNVDYKEALMKIEDVYSVEDLNWSLTSGKSTAVHIQLIPGSSSKWEEVQSKANHLLLNFTG MYRCTIQLQSYRQEVDRTCANCQ
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:10-1:20) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)

**Storage Instruction**

Store at 4°C. For long term storage store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human hippocampus with SLC30A4 polyclonal antibody (Cat # PAB21018) shows strong cytoplasmic positivity in glial cells at 1:10-1:20 dilution.

## Gene Info — SLC30A4

**Entrez GeneID**[7782](#)**Protein Accession#**[O14863](#)**Gene Name**

SLC30A4

**Gene Alias**

ZNT4

**Gene Description**

solute carrier family 30 (zinc transporter), member 4

**Omim ID**[602095](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Zinc is the second most abundant trace metal in the human body. It is an essential element, serving both a structural role, as in the formation of zinc fingers in DNA-binding proteins, and a catalytic role in metalloenzymes, such as pancreatic carboxypeptidases (e.g., MIM 114852), alkaline phosphatases (e.g., MIM 171760), various dehydrogenases, and superoxide dismutases (e.g., MIM 147450). SLC30A4, or ZNT4, belongs to the ZNT family of zinc transporters. ZNTs are involved in transporting zinc out of the cytoplasm and have similar structures, consisting of 6 transmembrane domains and a histidine-rich cytoplasmic loop (Huang and Gitschier, 1997 [PubMed 9354792]).[supplied by OMIM]

**Other Designations**

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## Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)

- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [NARP](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)