



Rabbit Anti-SLC30A3 antibody

SL8717R

Product Name:	SLC30A3
Chinese Name:	溶质载体锌转运3抗体
Alias:	SLC30A3; Solute carrier family 30 (zinc transporter), member 3; Solute carrier family 30 member 3; Zinc transporter 3; Zinc transporter ZnT 3; ZnT-3; ZNT3; ZNT3 HUMAN; OTTHUMP00000201041.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	42kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SLC30A3/ZNT3:21-120/388
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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 °C.
PubMed:	PubMed
Product Detail:	Zinc, an essential element required for cell proliferation and differentiation, plays a role in a diverse array of cellular functions, including acting as a cofactor for numerous enzymes and transcription factors and as a neuroregulator. The zinc transporter (ZnT) family regulates the supply of zinc within cells, and its members are characterized by containing six membrane-spanning domains, a large histidine-rich intracellular loop, and

a C-terminal tail. ZnT-3 mediates the uptake of zinc into vesicles in brain and testis.

Function:

Involved in accumulation of zinc in synaptic vesicles.

Subunit:

Belongs to the cation diffusion facilitator (CDF) transporter (TC 2.A.4) family. SLC30A subfamily.

Subcellular Location:

Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Multi-pass membrane protein (Probable).

Similarity:

Belongs to the cation diffusion facilitator (CDF) transporter (TC 2.A.4) family. SLC30A subfamily.

SWISS:

Q99726

Gene ID:

7781

Database links:

[Entrez Gene: 7781](#)Human

[Entrez Gene: 22784](#)Mouse

[Entrez Gene: 366568](#)Rat

[Omim: 602878](#)Human

[SwissProt: Q99726](#)Human

[SwissProt: P97441](#)Mouse

[SwissProt: Q6QIX3](#)Rat

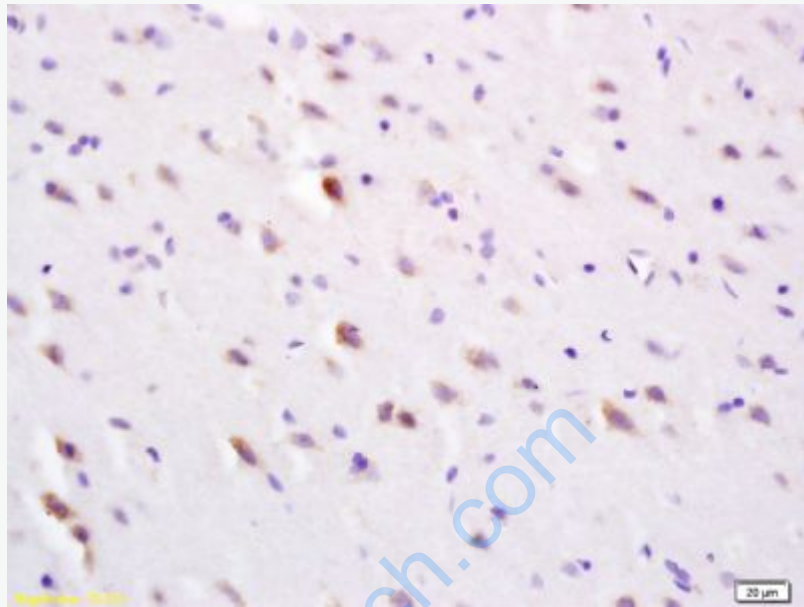
[Unigene: 467981](#)Human

[Unigene: 1396](#)Mouse

[Unigene: 9297](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-SLC30A3 Polyclonal Antibody, Unconjugated(SL8717R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining