

bs-8717R**[Primary Antibody]****SLC30A3 Rabbit pAb****BioSS**
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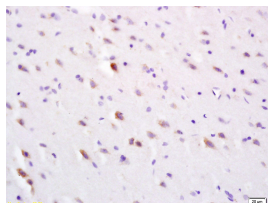
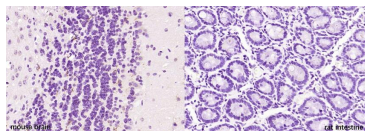
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— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 7781 Target: SLC30A3 Immunogen: KLH conjugated synthetic peptide derived from human SLC30A3/ZNT3: 21-120/388. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: 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.	Isotype: IgG SWISS: Q99726	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Mouse, Rat (predicted: Human, Pig, Cow, Dog) Predicted MW.: 42 kDa Subcellular Location: Cell membrane ,Cytoplasm
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— VALIDATION IMAGES —

Positive sample: Paraformaldehyde-fixed, paraffin embedded (mouse brain); Negative sample: Paraformaldehyde-fixed, paraffin embedded (rat intestine); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SLC30A3) Polyclonal Antibody, Unconjugated (bs-8717R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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 (bs-8717R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining

— SELECTED CITATIONS —

- **[IF=7.419]** Jinfeng Shang, et al. Chrysin protects against cerebral ischemia-reperfusion injury in hippocampus via restraining oxidative stress and transition elements. BIOMED PHARMACOTHER. 2023 May;161:114534 IHC ;Rat. 36933376