## bs-0444R

## [ Primary Antibody ]

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# SIc22A17 Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 51310 SWISS: Q8WUG5

Target: Slc22A17

**Immunogen:** KLH conjugated synthetic peptide derived from human NGALR:

475-538/538.

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: SLC22A17 (solute carrier family 22 nember 17; organic cation

transportor,).may act as a brain-specific organic ion transporter. The Major Facilitator Superfamily (MFS) is a large and diverse group of secondary transporters that includes uniporters, symporters, and antiporters. MFS proteins facilitate the transport across cytoplasmic or internal membranes of a variety of substrates including ions, sugar phosphates, drugs, neurotransmitters, nucleosides, amino acids, and peptides. They do so using the electrochemical potential of the transported substrates. Uniporters transport a single substrate, while symporters and antiporters transport two substrates in the same or in opposite directions, respectively, across membranes. MFS

proteins are typically 400 to 600 amino acids in length, and the majority contain 12 transmembrane alpha helices (TMs) connected

by hydrophilic loops.

Applications: WB (1:500-2000)

**IHC-P** (1:100-500) **IHC-F** (1:100-500) **IF** (1:100-500)

Reactivity: Human, Rat

(predicted: Mouse, Pig,

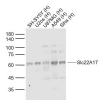
Cow, Dog)

Predicted 58 kDa

MW.:

Subcellular Cell membrane

### VALIDATION IMAGES



Sample: Lane 1: SH-SY5Y (Human) Cell Lysate at 30 ug Lane 2: U2os (Human) Cell Lysate at 30 ug Lane 3: U87MG (Human) Cell Lysate at 30 ug Lane 4: A549 (Human) Cell Lysate at 30 ug Lane 5: Siha (Human) Cell Lysate at 30 ug Primary: Anti-Slc22A17 (bs-0444R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 58 kD Observed band size: 61 kD



Tissue/cell: rat colon carcinoma: 4% Paraformaldehyde-fixed and paraffinembedded: 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-Slc22A17 Y Polyclonal Antibody, Unconjugated(bs-0444R) 1:300, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

#### — SELECTED CITATIONS -

- [IF=10.199] Cui et al. NGALR is overexpressed and regulated by hypomethylation in esophageal squamous cell carcinoma. (2008) Clin.Cancer.Res. 14:7674-81 IHC; Human. 19047093
- [IF=8] Xiangjie Fu. et al. Synergistic and Long-Lasting Wound Dressings Promote Multidrug-Resistant Staphylococcus

Aureus-Infected Wound Healing. INT J NANOMED. 2023 Aug 16 IHC; Mouse. 37605733

- [IF=8.3] Wenlu Li. et al. SLC22A17 as a Cell Death–Linked Regulator of Tight Junctions in Cerebral Ischemia. STROKE. 2024;0 IHC,WB; Human, Mouse. 38738428
- [IF=4.24] Wu, Limin, et al. "Lipocalin 2 enhances angiogenesis in rat brain endothelial cells via reactive oxygen species and iron dependent mechanisms." Journal of Neurochemistry (2015). WB;Rat. 25557118
- [IF=2.776] Du Y et al. Effects of lipocalin-2 on brain endothelial adhesion and permeability. PLoS One. 2019 Jul 3;14(7):e0218965. ICC; Human. 31269059