

**bs-0444R****[ Primary Antibody ]****Slc22A17 Rabbit pAb****BioSS**  
**ANTIBODIES**

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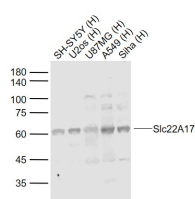
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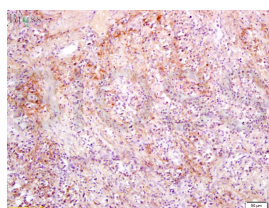
400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 51310	<b>SWISS:</b> Q8WUG5	<b>IHC-F</b> (1:100-500)
<b>Target:</b> Slc22A17		<b>IF</b> (1:100-500)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human NGALR: 475-538/538.		<b>Reactivity:</b> Human, Rat (predicted: Mouse, Pig, Cow, Dog)
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 58 kDa
<b>Storage:</b> 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.		<b>Subcellular Location:</b> Cell membrane
<b>Background:</b> SLC22A17 (solute carrier family 22 member 17; organic cation transporter,) 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.		

**— 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 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-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

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

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