**bs-23018R** **[ Primary Antibody ]**

# SLC22A17 Rabbit pAb

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## DATASHEET

**Host:** Rabbit **Isotype:** IgG

**Clonality:** Polyclonal

**GeneID:** 51310 **SWISS:** Q8WUG5

**Target:** SLC22A17

**Immunogen:** KLH conjugated synthetic peptide derived from human SLC22A17: 211-300/538.

**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.

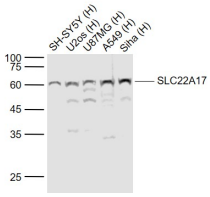
**Applications:** **WB** (1:500-2000)
**IHC-P** (1:100-500)
**IHC-F** (1:100-500)
**IF** (1:100-500)

**Reactivity:** Human, Mouse, Rat (predicted: Rabbit, Pig, Sheep, Cow, Dog, Horse)

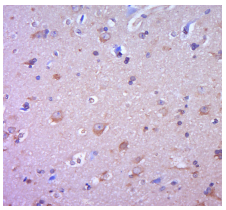
**Predicted MW.:** 58 kDa

**Subcellular Location:** Cell membrane

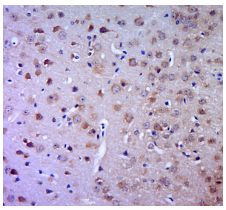
## VALIDATION IMAGES




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-23018R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 58 kD Observed band size: 58 kD



Paraformaldehyde-fixed, paraffin embedded (human brain glioma); 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 (SLC22A17) Polyclonal Antibody, Unconjugated (bs-23018R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); 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 (SLC22A17) Polyclonal Antibody, Unconjugated (bs-23018R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.