

Anti-SLC22A17 Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse, Rat (predicted: Dog, Pig, Cow, Horse, Rabbit, Sheep)
Molecular Weight:	Theoretical: 58 kDa. Actual: 58 kDa.
Purification:	Protein A purified

Applications

1. Sample:

Lane 1: SH-SY5Y (Human) Cell Lysate at 30 µg

Lane 2: U2os (Human) Cell Lysate at 30 µg

Lane 3: U87MG (Human) Cell Lysate at 30 µg

Lane 4: A549 (Human) Cell Lysate at 30 µg

Lane 5: Siha (Human) Cell Lysate at 30 µg

Primary:

Anti-SLC22A17 (TMAB-01707) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 58 kDa

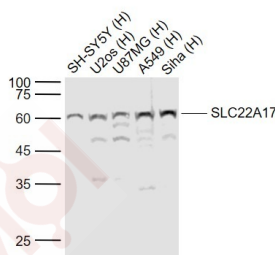
Observed band size: 58 kDa

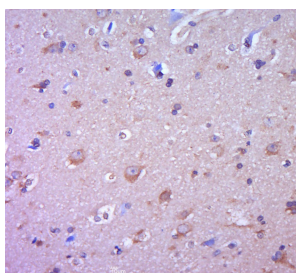
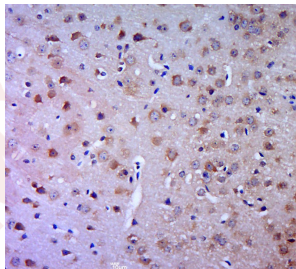
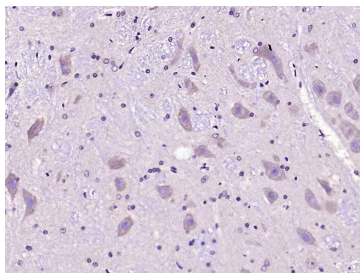
Verified Activity:

2. Paraformaldehyde-fixed, paraffin embedded (rat cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (SLC22A17) Polyclonal Antibody, Unconjugated (TMAB-01707) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

3. Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (SLC22A17) Polyclonal Antibody, Unconjugated (TMAB-01707) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.

4. Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (SLC22A17) Polyclonal Antibody, Unconjugated (TMAB-01707) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.





Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human SLC22A17

Antigen Species: Human

Gene ID: 51310

Uniprot ID: Q8WUG5

Synonyms: Brain-type organic cation transporter;Slc22a17;Solute carrier family 22 member 17;24p3 receptor (24p3R);Lipocalin-2 receptor;Boct

Biology Area: Channels

Research Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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