

## Anti-SLC19A1 Antibody Picoband®

Catalog Number: PB9504

### About SLC19A1

Solute carrier family 19 (folate transporter), member 1, also known as SLC19A1 or RFC1, is a protein which in humans is encoded by the SLC19A1 gene. Transport of folate compounds into mammalian cells can occur via receptor-mediated or carrier-mediated mechanisms. A functional coordination between these 2 mechanisms has been proposed to be the method of folate uptake in certain cell types. Methotrexate (MTX) is an antifolate chemotherapeutic agent that is actively transported by the carrier-mediated uptake system. And RFC1 plays a role in maintaining intracellular concentrations of folate.

### Overview

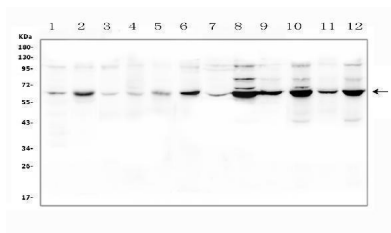
Product Name	Anti-SLC19A1 Antibody Picoband®
Reactive Species	Human, Monkey, Mouse, Rat
Description	Boster Bio Anti-SLC19A1 Antibody Picoband® catalog # PB9504. Tested in WB applications. This antibody reacts with Human, Monkey, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , and 0.05 mg Na <sub>3</sub> N. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P41440

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human SLC19A1.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins

Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat, Monkey

## Anti-SLC19A1 Antibody Picoband® (PB9504) Images



Western blot analysis of SLC19A1 using anti-SLC19A1 antibody (PB9504). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 2: rat ovary tissue lysates, Lane 3: mouse brain tissue lysates, Lane 4: mouse testicular tissue lysates, Lane 5: mouse ovary tissue lysates, Lane 6: mouse NIH/3T3 whole cell lysates, Lane 7: human placenta tissue lysates, Lane 8: human HEK293 whole cell lysates, Lane 9: monkey COS-7 whole cell lysates, Lane 10: human PC-3 whole cell lysates, Lane 11: human 22RV1 whole cell lysates, Lane 12: human K562 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SLC19A1 antigen affinity purified polyclonal antibody (Catalog # PB9504) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for SLC19A1 at approximately 65KD. The expected band size for SLC19A1 is at 65KD.

## 2 Publications Citing This Product

1. PubMed ID: , SLC19A1 transports immunoreactive cyclic dinucleotides
2. PubMed ID: 31511694 , SLC19A1 transports immunoreactive cyclic dinucleotides

Visit [bosterbio.com/anti-slc19a1-picoband-trade-antibody-pb9504-boster.html](http://bosterbio.com/anti-slc19a1-picoband-trade-antibody-pb9504-boster.html) to see all 2 publications.

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Anti-SLC19A1 Antibody

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