

## Anti-OATP14/SLCO1C1 Antibody Picoband®

Catalog Number: A06757-1

### About SLCO1C1

This gene encodes a member of the organic anion transporter family. The encoded protein is a transmembrane receptor that mediates the sodium-independent uptake of thyroid hormones in brain tissues. This protein has particularly high affinity for the thyroid hormones thyroxine, tri-iodothyronine and reverse tri-iodothyronine. Polymorphisms in the gene encoding this protein may be associated with fatigue and depression in patients suffering from hyperthyroidism. Alternative splicing results in multiple transcript variants.

### Overview

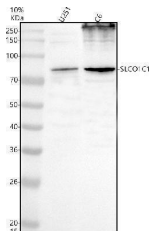
Product Name	Anti-OATP14/SLCO1C1 Antibody Picoband®
Reactive Species	Human, Rat
Description	Boster Bio Anti-OATP14/SLCO1C1 Antibody Picoband® catalog # A06757-1. Tested in WB, ELISA applications. This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees 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	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .
Storage Instructions	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 freezing and thawing.
Host	Rabbit
Uniprot ID	Q9NYB5

### Technical Details

Immunogen	E.coli-derived human OATP14/SLCO1C1 recombinant protein (Position: M1-L712). Human OATP14/SLCO1C1 shares 83.5% and 84.4% amino acid (aa) sequence identity with mouse and rat OATP14/SLCO1C1, respectively.
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, 0.25-0.5 ug/ml, Human, Rat ELISA, 0.1-0.5 ug/ml



## Anti-OATP14/SLCO1C1 Antibody Picoband® (A06757-1) Images



Western blot analysis of SLCO1C1 using anti-SLCO1C1 antibody (A06757-1). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human U251 whole cell lysates, Lane 2: rat C6 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA 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-SLCO1C1 antigen affinity purified polyclonal antibody (A06757-1) 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 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for SLCO1C1 at approximately 80 kDa. The expected band size for SLCO1C1 is at 79 kDa.

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### Anti-OATP14/SLCO1C1 Antibody

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