

## Anti-LSR Antibody Picoband®

Catalog Number: A02742-2

### About LSR

Lipolysis-stimulated lipoprotein receptor is a protein that in humans is encoded by the LSR gene. LSR has a probable role in the clearance of triglyceride-rich lipoprotein from blood. It binds chylomicrons, LDL and VLDL in presence of free fatty acids and allows their subsequent uptake in the cells.

### Overview

Product Name	Anti-LSR Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-LSR Antibody Picoband® catalog # A02742-2. Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human, 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	ELISA, Flow Cytometry, 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	Q86X29

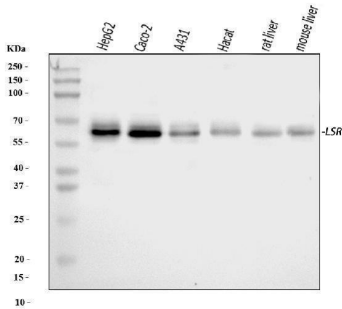
### Technical Details

Immunogen	E.coli-derived human LSR recombinant protein (Position: K16-E633).
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.

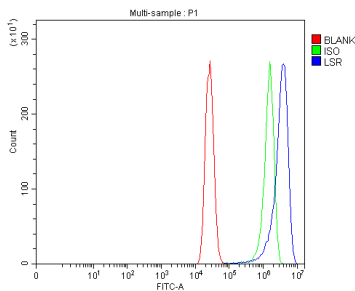
Suggested Dilutions

Western blot, 0.25-0.5 ug/ml, Human, Mouse, Rat  
Flow Cytometry (Fixed), 1-3 ug/ $1 \times 10^6$  cells, Human  
ELISA, 0.1-0.5 ug/ml, -

## Anti-LSR Antibody Picoband® (A02742-2) Images



Western blot analysis of LSR using anti-LSR antibody (A02742). 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 30 ug of sample under reducing conditions. Lane 1: human HepG2 whole cell lysates, Lane 2: human Caco-2 whole cell lysates, Lane 3: human A431 whole cell lysates, Lane 4: human Hacat whole cell lysates, Lane 5: rat liver tissue lysates, Lane 6: mouse liver tissue 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-LSR antigen affinity purified polyclonal antibody (Catalog # A02742) 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 Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for LSR at approximately 65 kDa. The expected band size for LSR is at 65 kDa.



Flow Cytometry analysis of MCF-7 cells using anti-LSR antibody (A02742-2). Overlay histogram showing MCF-7 cells stained with A02742-2 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-LSR Antibody (A02742-2, 1 ug/1x10<sup>6</sup> cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x10<sup>6</sup> cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

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Anti-LSR Antibody

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