

Anti-OXSR1 Antibody Picoband®

Catalog Number: A05141-2

About OXSR1

Serine/threonine-protein kinase OSR1 is an enzyme that in humans is encoded by the OXSR1 gene. The product of this gene belongs to the Ser/Thr protein kinase family of proteins. It regulates downstream kinases in response to environmental stress, and may play a role in regulating the actin cytoskeleton.

Overview

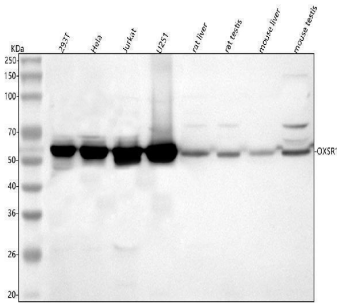
Product Name	Anti-OXSR1 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-OXSR1 Antibody Picoband® catalog # A10973-2. Tested in WB, IP, FCM, ELISA applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees 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, IP, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
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	O95747

Technical Details

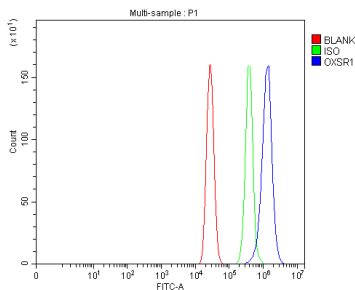
Immunogen	E.coli-derived human OXSR1 recombinant protein (Position: K351-S527). Human OXSR1 shares 89.8% and 85.4% amino acid (aa) sequence identity with mouse and rat OXSR1, respectively.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.25 ug/ml, Human, Mouse, Rat Immunoprecipitation, 0.5-2 ug/ml, Human Flow Cytometry (Fixed), 1-3 ug/1x10 ⁶ cells, Human ELISA, 0.1-0.5 ug/ml, -

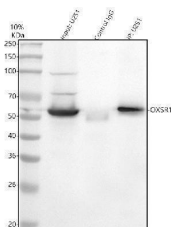
Anti-OXSR1 Antibody Picoband® (A05141-2) Images



Western blot analysis of OXSR1 using anti-OXSR1 antibody (A05141-2). 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 293T whole cell lysates, Lane 2: human Hela whole cell lysates, Lane 3: human Jurkat whole cell lysates, Lane 4: human U251 whole cell lysates, Lane 5: rat liver tissue lysates, Lane 6: rat testis tissue lysates, Lane 7: mouse liver tissue lysates, Lane 8: mouse testis 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-OXSR1 antigen affinity purified polyclonal antibody (Catalog # A05141-2) at 0.25 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 OXSR1 at approximately 58 kDa. The expected band size for OXSR1 is at 58 kDa.



Flow Cytometry analysis of MCF-7 cells using anti-OXSR1 antibody (A05141-2). Overlay histogram showing MCF-7 cells stained with A05141-2 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-OXSR1 Antibody (A05141-2, 1 ug/1x10⁶ cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



Immunoprecipitating OXSR1 in U251 whole cell lysate. Western blot analysis of OXSR1 using anti-OXSR1 antibody (A05141-2). Lane 1: U251 whole cell lysates (30ug) Lane 2: Rabbit control IgG instead of anti-OXSR1 antibody in U251 whole cell lysate. Lane 3: anti-OXSR1 antibody (2ug) + U251 whole cell lysate (500ug) After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-OXSR1 antigen affinity purified polyclonal antibody (A05141-2) at a dilution of 0.5 ug/mL and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1196-200). A specific band was detected for OXSR1 at approximately 58 kDa. The expected band size for OXSR1 is at 58 kDa.

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Anti-OXSR1 Antibody

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