

Rabbit OSBPL2 Polyclonal Antibody | anti-OSBPL2 antibody

Anti-OSBPL2 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127455	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

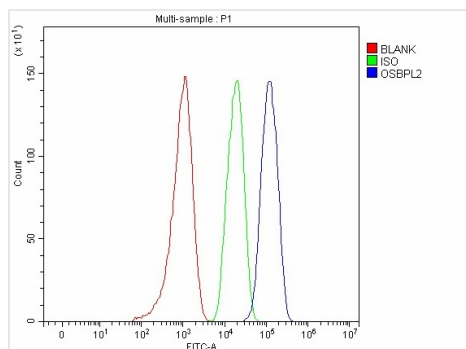
PRODUCT SYNONYMS

OSBPL2; Polyclonal Antibody; Anti-OSBPL2 Antibody Picoband; anti-OSBPL2 antibody

PRODUCT SPECIFICATIONS

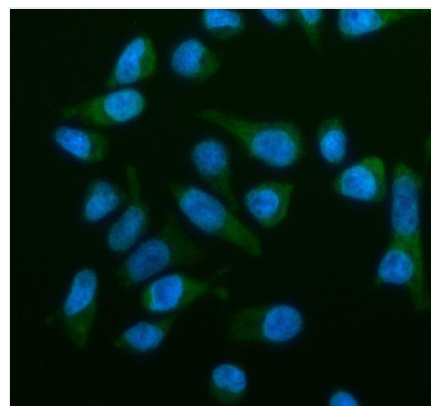
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-OSBPL2 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human OSBPL2 recombinant protein (Position: E6-Y480). Human OSBPL2 shares 89% amino acid (aa) sequence identity with mouse OSBPL2.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

IMAGES



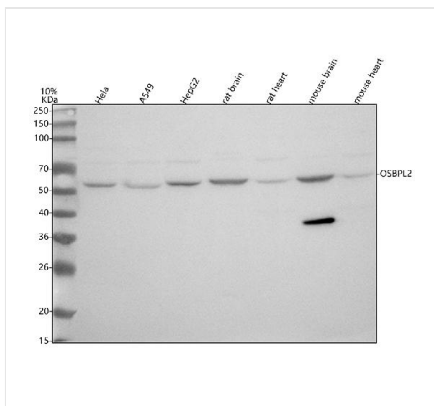
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of HepG2 cells using anti-OSBPL2 antibody (AAA127455). Overlay histogram showing HepG2 cells stained with AAA127455 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-OSBPL2 Antibody (AAA127455, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



IF (Immunofluorescence)

Figure 2. IF analysis of OSBPL2 using anti-OSBPL2 antibody (AAA127455). OSBPL2 was detected in an immunocytochemical section of HELA cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-OSBPL2 Antibody (AAA127455) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of OSBPL2 using anti-OSBPL2 antibody (AAA127455). 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 Hela whole cell lysates, Lane 2: human A549 whole cell lysates, Lane 3: human HepG2 whole cell lysates, Lane 4: rat brain tissue lysates, Lane 5: rat heart tissue lysates, Lane 6: mouse brain tissue lysates, Lane 7: mouse heart 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-OSBPL2 antigen affinity purified polyclonal antibody (#AAA127455) at 0.5ug/mL overnight at 4 degree 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 with Tanon 5200 system. A specific band was detected for OSBPL2 at approximately 55 kDa. The expected band size for OSBPL2 is at 55 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-OSBPL2 antibody	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.
Product Categories/Family for anti-OSBPL2 antibody	Primary Antibodies
References	1. Jaworski, C. J., Moreira, E., Li, A., Lee, R., Rodriguez, I. R. A family of 12 human genes containing oxysterol-binding domains. <i>Genomics</i> 78: 185-196, 2001. 2. Laitinen, S., Olkkonen, V. M., Ehnholm, C., Ikonen, E. Family of human oxysterol binding protein (OSBP) homologues: a novel member implicated in brain sterol metabolism. <i>J. Lipid Res.</i> 40: 2204-2211, 1999. 3. Lehto, M., Laitinen, S., Chinetti, G., Johansson, M., Ehnholm, C., Staels, B., Ikonen, E., Olkkonen, V. M. The OSBP-related protein family in humans. <i>J. Lipid Res.</i> 42: 1203-1213, 2001.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7662298
NCBI GeneID	9885
NCBI Accession #	NP_055650
NCBI GenBank Nucleotide #	NM_014835
UniProt Accession #	Q9H1P3 ; Q6IBT0 ; Q9BZB1 ; Q9Y4B8 ; A8K736 ; Q6ZTC4
Molecular Weight	53,971 Da
NCBI Official Full Name	oxysterol-binding protein-related protein 2 isoform 1
NCBI Official Synonym Full Names	oxysterol binding protein-like 2
NCBI Official Symbol	OSBPL2
NCBI Official Synonym Symbols	ORP2; ORP-2; DFNA67

NCBI Protein Information	oxysterol-binding protein-related protein 2; OSBP-related protein 2; oxysterol-binding protein-like 2
UniProt Protein Name	Oxysterol-binding protein-related protein 2
UniProt Gene Name	OSBPL2
UniProt Synonym Gene Names	KIAA0772; ORP2; ORP-2; OSBP-related protein 2
UniProt Entry Name	OSBL2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/osbpl2-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/127455>