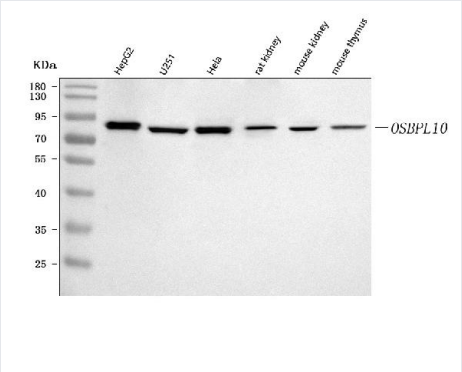
OSBPL10 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

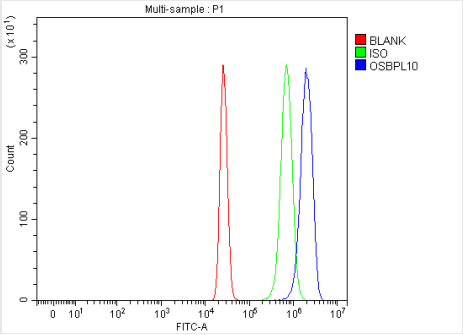
Product Name	OSBPL10, Polyclonal Antibody
Full Product Name	Anti-OSBPL10 Antibody Picoband
Product Gene Name	anti-OSBPL10 antibody
Product Synonym Names	BAG family molecular chaperone regulator 5; BAG family molecular chaperone regulator 5; BAG family molecular chaperone regulator 5; BAG-5; Bcl-2-associated athanogene 5; BAG5; KIAA0873
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Purity/Purification	Immunogen affinity purified.
Specificity	Expressed in all tissues examined with lower levels in brain and testis.
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.
Molecular Weight	77,235 Da
OMIM	606738
3D Structure	ModBase 3D Structure for Q9BXB5
Immunogen	E coli-derived human OSBPL10 recombinant protein (Position: R73-H764).
Subcellular Localization	Perinuclear region
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Inhibits both auto-ubiquitination of PARK2 and ubiquitination of target proteins by PARK2 (By similarity). May function as a nucleotide exchange factor for HSP/HSP70, promoting ADP release, and activating Hsp70-mediated refolding.
Product Categories/Family for anti-OSBPL10 antibody	Primary Antibodies; Interleukins
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-OSBPL10 antibody	ELISA (EIA), Flow Cytometry (FC/FACS), Immunocytochemistry (ICC), Immunofluorescence (IF), Western Blot (WB)
Application Notes for anti-OSBPL10 antibody	WB: 0.1-0.25ug/ml, Human, Mouse, Rat ICC/IF: 5ug/ml, Human FC/FACS (Fixed): 1-3ug/1x10^6 cells, Human ELISA: 0.1-0.5ug/ml
Related Product Information for anti-OSBPL10 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 References and Citations for anti-OSBPL10 antibody	1. Jaworski, C. J., Moreira, E., Li, A., Lee, R., Rodriguez, I. R. A family of 12 human genes containing oxysterol-binding domains. Genomics 78: 185-196, 2001.2. Lehto, M., Laitinen, S., Chinetti, G., Johansson, M., Ehnholm, C., Staels, B., Ikonen, E., Olkkonen, V. M. The OSBP-related protein family in humans. J. Lipid Res. 42: 1203-1213, 2001. 3. Maeda, K., Anand, K., Chiapparino, A., Kumar, A., Poletto, M., Kaksonen, M., Gavin, A.-C. Interactome map uncovers phosphatidylserine transport by oxysterol-binding proteins. Nature 501: 257-261, 2013.
Other Notes	Small volumes of anti-OSBPL10 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for OSBPL10 purchase	MBS1758820 is an antibody targeting OSBPL10. Also known as Anti-OSBPL10 Antibody Picoband. Reactive in Human, Mouse, Rat. Host: Rabbit.



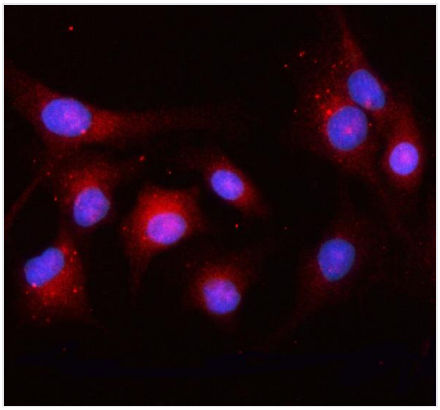
Western Blot (WB) of anti-OSBPL10 antibody

Figure 1. Western blot analysis of OSBPL10 using anti-OSBPL10 antibody (MBS1758820).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 U251 whole cell lysates,Lane 3: human Hela whole cell lysates,Lane 4: rat kidney tissue lysates,Lane 5: mouse kidney tissue lysates,Lane 6: mouse thymus 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-OSBPL10 antigen affinity purified polyclonal antibody (#MBS1758820) at 0.25ug/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 (#MBS176460) with Tanon 5200 system. A specific band was detected for OSBPL10 at approximately 84 kDa. The expected band size for OSBPL10 is at 84 kDa.



Flow Cytometry (FC/FACS) of anti-OSBPL10 antibody

Figure 3. Flow Cytometry analysis of HepG2 cells using anti-OSBPL10 antibody (MBS1758820).Overlay histogram showing HepG2 cells stained with MBS1758820 (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-OSBPL10 Antibody (MBS1758820, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG (MBS177405, 5-10ug/1x106 cells) 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 (Red line) was also used as a control.



Immunofluorescence (IF) of anti-OSBPL10 antibody

Figure 2. IF analysis of OSBPL10 using anti-OSBPL10 antibody (MBS1758820).OSBPL10 was detected in an immunocytochemical section of A549 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (#MBS176582) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-OSBPL10 Antibody (MBS1758820) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OSBPL10. It may not necessarily be applicable to this product.

NCBI GI #	291327480
NCBI GeneID	114884
NCBI Accession #	NP_001167531
UniProt Primary Accession #	Q9BXB5
UniProt Secondary Accession #	Q9BTU5; B4E212
UniProt Related Accession #	Q9BXB5
GenBank Nucleotide #	NM_001174060
NCBI Official Full Name	oxysterol-binding protein-related protein 10 isoform 2
NCBI Official Synonym Full Names	oxysterol binding protein-like 10
NCBI Official Symbol	OSBPL10
NCBI Official Synonym Symbols	ORP10; OSBP9
UniProt Protein Name	Oxysterol-binding protein-related protein 10
Protein Family	Oxysterol-binding protein-related protein
UniProt Gene Name	OSBPL10
UniProt Synonym Gene Names	ORP10; OSBP9; ORP-10; OSBP-related protein 10
UniProt Entry Name	OSB10_HUMAN
NCBI Protein Information	oxysterol-binding protein-related protein 10; ORP-10; OSBP-related protein 10
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