

Rabbit anti-Human OSBPL8 Polyclonal Antibody | anti-OSBPL8 antibody

Anti-OSBPL8 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127523	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

OSBPL8; Polyclonal Antibody; Anti-OSBPL8 Antibody Picoband; Disintegrin and metalloproteinase domain-containing protein 2; ubiquitin specific peptidase 44; Ubiquitin carboxyl-terminal hydrolase 44; Deubiquitinating enzyme 44; Ubiquitin thioesterase 44; Ubiquitin-specific-processing protease 44; USP44; anti-OSBPL8 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in testis. Expressed at high levels in T-cell acute lymphoblastic leukemia.
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-OSBPL8 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human OSBPL8 recombinant protein (Position: D33-K889).
Subcellular Localization	Nucleus
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	Deubiquitinase that plays a key regulatory role in the spindle assembly checkpoint or mitotic checkpoint by preventing premature anaphase onset. Acts by specifically mediating deubiquitination of CDC20, a negative regulator of the anaphase promoting complex/cyclosome (APC/C). Deubiquitination of CDC20 leads to stabilize the MAD2L1-CDC20-APC/C ternary complex (also named mitotic checkpoint complex), thereby preventing premature activation of the APC/C. Promotes association of MAD2L1 with CDC20 and reinforces the spindle assembly checkpoint. Acts as a negative regulator of histone H2B (H2BK120ub1) ubiquitination.
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.



FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of HepG2 cells using anti-OSBPL8 antibody (AAA127523).Overlay histogram showing HepG2 cells stained with AAA127523 (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-OSBPL8 Antibody (AAA127523, 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.



WB (Western Blot)

Figure 1. Western blot analysis of OSBPL8 using anti-OSBPL8 antibody (AAA127523).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 HEL 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-OSBPL8 antigen affinity purified polyclonal antibody (#AAA127523) 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 OSBPL8 at approximately 120 kDa. The expected band size for OSBPL8 is at 101 kDa.



IF (Immunofluorescence)

Figure 2. IF analysis of OSBPL8 using anti-OSBPL8 antibody (AAA127523).OSBPL8 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-OSBPL8 Antibody (AAA127523) 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 INFORMATION

Related Product Information for anti-OSBPL8 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-OSBPL8 antibody	Primary Antibodies; Cancer; Cell Biology; Cytoskeleton/ECM; ECM Enzymes; Extracellular Matrix; Invasion/Microenvironment; Metalloprotease; Proteolysis/Ubiquitin; Proteolytic Enzymes; Signal Transduction
References	1. Chung, J., Torta, F., Masai, K., Lucast, L., Czapla, H., Tanner, L. B., Narayanaswamy, P., Wenk, M. R., Nakatsu, F., De Camilli, P. PI4P/phosphatidylserine countertransport at ORP5- and ORP8-mediated ER-plasma membrane contacts. Science 349: 428-432, 2015. 2. 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, 2001.3. Lehto, M., Laitinen, S., Chinetti, G., Johansson, M., Ehnholm, C., Staels, B., Ikonen, E., Olkkonen, V. M. The OSBP-related protein family in humans. J. Lipid Res. 42: 1203-1213, 2001.

NCBI AND UNIPROT INFORMATION

NCBI GI #	985567518
NCBI GeneID	114882
NCBI Accession #	NP_001306582.1
NCBI GenBank Nucleotide #	NM_001319653.1
UniProt Accession #	Q9BZF1; Q52LQ3; Q68D75; Q8WXP8; Q9P277; A8K1T2; E9PE66; E9PE68
Molecular Weight	99,714 Da

NCBI Official Full Name	oxysterol-binding protein-related protein 8 isoform c
NCBI Official Synonym Full Names	oxysterol binding protein like 8
NCBI Official Symbol	OSBPL8
NCBI Official Synonym Symbols	ORP8; MST120; OSBP10; MSTP120
NCBI Protein Information	oxysterol-binding protein-related protein 8
UniProt Protein Name	Oxysterol-binding protein-related protein 8
UniProt Gene Name	OSBPL8
UniProt Synonym Gene Names	; ORP-8; OSBP-related protein 8

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://stage.aaabiotech.com/polyclonal/osbpl8-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/127523>