

Rabbit anti-Human, Mouse OSBPL9 Polyclonal Antibody | anti-OSBPL9 antibody

Anti-OSBPL9 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127586	Rabbit	Human, Mouse	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

OSBPL9; Polyclonal Antibody; Anti-OSBPL9 Antibody Picoband; CD72 molecule; Mediator of RNA polymerase II transcription subunit 20; Mediator complex subunit 20; TRF-proximal protein homolog; hTRFP; MED20; TRFP; anti-OSBPL9 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Pre-B-cells and B-cells but not terminally differentiated plasma cells.
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-OSBPL9 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human OSBPL9 recombinant protein (Position: D27-K652).
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	Component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors.
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 Raji cells using anti-OSBPL9 antibody (AAA127586).Overlay histogram showing Raji cells stained with AAA127586 (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-OSBPL9 Antibody (AAA127586, 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 OSBPL9 using anti-OSBPL9 antibody (AAA127586).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 Jurkat whole cell lysates,Lane 2: 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-OSBPL9 antigen affinity purified polyclonal antibody (#AAA127586) 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 OSBPL9 at approximately 95 kDa. The expected band size for OSBPL9 is at 90 kDa.



IF (Immunofluorescence)

Figure 2. IF analysis of OSBPL9 using anti-OSBPL9 antibody (AAA127586).OSBPL9 was detected in an immunocytochemical section of U2OS 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-OSBPL9 Antibody (AAA127586) 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-OSBPL9 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-OSBPL9 antibody	Primary Antibodies; Epigenetics and Nuclear Signaling; Mediator Complex; Transcription
References	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. Ngo, M., Ridgway, N. D. Oxysterol binding protein-related protein 9 (ORP9) is a cholesterol transfer protein that regulates Golgi structure and function. Molec. Biol. Cell 20: 1388-1399, 2009.

NCBI AND UNIPROT INFORMATION

NCBI GI #	308153260
NCBI GeneID	114883
NCBI Accession #	NP_683707.3
NCBI GenBank Nucleotide #	NM_148909.3
UniProt Accession #	Q96SU4; Q5TFC0; Q6IA67; Q86YQ3; Q8NB17; Q8TAS8; Q96SK4; Q9H9X2; B1AKJ8; B3KPQ4; D3DQ31
Molecular Weight	81,787 Da
NCBI Official Full Name	oxysterol-binding protein-related protein 9 isoform f

NCBI Official Synonym Full Names	oxysterol binding protein like 9
NCBI Official Symbol	OSBPL9
NCBI Official Synonym Symbols	ORP9; ORP-9
NCBI Protein Information	oxysterol-binding protein-related protein 9
UniProt Protein Name	Oxysterol-binding protein-related protein 9
UniProt Gene Name	OSBPL9
UniProt Synonym Gene Names	ORP9; OSBP4; ORP-9; OSBP-related protein 9

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/osbpl9-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/127586>