

Rabbit OSBP Polyclonal Antibody | anti-OSBP antibody

OSBP Antibody

CATALOG # AAA322953	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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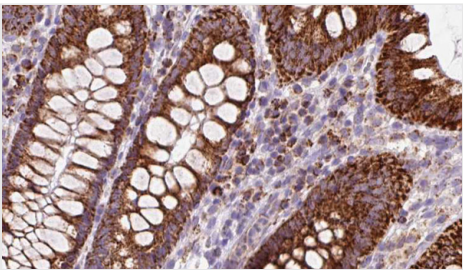
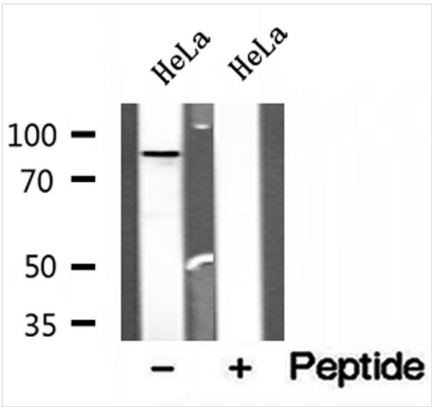
PRODUCT SYNONYMS

OSBP; Polyclonal Antibody; OSBP Antibody; OSBP 1; OSBP1_HUMAN; Oxysterol binding protein 1; Oxysterol-binding protein 1; anti-OSBP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	OSBP antibody detects endogenous levels of OSBP.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	807
Applicable Applications for anti-OSBP antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human OSBP.
Subcellular Location	Cytoplasm. Golgi Apparatus Membrane. When bound to oxysterols, translocates to the periphery of golgi membranes.
Tissue Specificity	Widely expressed.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (91%), Horse (100%), Sheep (92%), Rabbit (100%), Dog (100%), Chicken (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA322953 at 1/100 staining Mouse colon tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of extracts of HeLa cells, using OSBP antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-OSBP antibody

Function: Lipid transporter involved in lipid countertransport between the Golgi complex and membranes of the endoplasmic reticulum: specifically exchanges sterol with phosphatidylinositol 4-phosphate (PI4P), delivering sterol to the Golgi in exchange for PI4P, which is degraded by the SAC1/SACM1L phosphatase in the endoplasmic reticulum (PubMed:24209621). Binds cholesterol and a range of oxysterols including 25-hydroxycholesterol (PubMed:15746430, PubMed:17428193). Cholesterol binding promotes the formation of a complex with PP2A and a tyrosine phosphatase which dephosphorylates ERK1/2, whereas 25-hydroxycholesterol causes its disassembly (PubMed:15746430). Regulates cholesterol efflux by decreasing ABCA1 stability (PubMed:18450749). Subunit Structure: Homodimer or homotrimer. Interacts (via FFAT motif) with VAPA (PubMed:24209621, PubMed:20178991). Similarity: The FFAT motif is required for interaction with VATA and proper localization of the protein. The PH and the Ala/Gly-rich domains control cholesterol binding without affecting 25-hydroxycholesterol binding. The second coiled-coil domain is required for interaction with the tyrosine phosphatase. Belongs to the OSBP family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505531
NCBI GeneID	5007
NCBI Accession #	NP_002547.1
NCBI GenBank Nucleotide #	NM_002556.2
UniProt Accession #	P22059; Q6P524
Molecular Weight	Observed: 89 kDa Predicted: 90 kDa
NCBI Official Full Name	oxysterol-binding protein 1
NCBI Official Synonym Full Names	oxysterol binding protein
NCBI Official Symbol	OSBP
NCBI Official Synonym Symbols	OSBP1
NCBI Protein Information	oxysterol-binding protein 1
UniProt Protein Name	Oxysterol-binding protein 1
UniProt Gene Name	OSBP

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/osbp-antibody-immunohistochemistry-western-blot-elisa/322953>