




Product datasheet

Anti-OSBP1 antibody ab192995

1 Image

Overview

Product name	Anti-OSBP1 antibody
Description	Rabbit polyclonal to OSBP1
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: IP
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rabbit, Horse, Cat, Dog, Pig, Chimpanzee, Cynomolgus monkey, Rhesus monkey, Gorilla, Orangutan 
Immunogen	Synthetic peptide within Human OSBP1 aa 740-790. The exact sequence is proprietary. (NP_002547.1). Sequence: EEKQRLSRKKREAEAMKATEDGTPYDPYKALWFERK KDPVTKELTHYRG E Database link: P22059  Run BLAST with  Run BLAST with
Positive control	HeLa, 293T, Jurkat, TCMK1 and NIH 3T3 whole cell lysates.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: 99% Tris citrate/phosphate pH 7 to 8
Purity	Immunogen affinity purified
Purification notes	ab192995 was affinity purified using an epitope specific to OSBP1 immobilized on solid support.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab192995** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/10000. Predicted molecular weight: 89 kDa.

Application notes Is unsuitable for IP.

Target

Function Binds cholesterol and a range of oxysterols. Cholesterol binding promotes the formation of a complex with PP2A and a tyrosine phosphatase which dephosphorylate ERK1/2, whereas 25-hydroxycholesterol causes its disassembly. Regulates cholesterol efflux by decreasing ABCA1 stability.

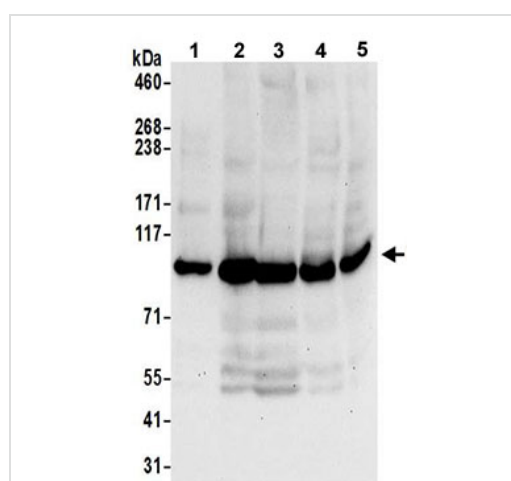
Tissue specificity Widely expressed.

Sequence similarities Belongs to the OSBP family.
Contains 1 PH domain.

Domain The PH and 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.

Cellular localization Cytoplasm. Golgi apparatus membrane. When bound to oxysterols, translocates to the periphery of Golgi membranes.

Images



Western blot - Anti-OSBP1 antibody (ab192995)

All lanes : Anti-OSBP1 antibody (ab192995) at 0.1 µg/ml

Lane 1 : HeLa whole cell lysate

Lane 2 : 293T whole cell lysate

Lane 3 : Jurkat whole cell lysate

Lane 4 : TCMK1 whole cell lysate

Lane 5 : NIH 3T3 whole cell lysate

Lysates/proteins at 50 µg per lane.

Developed using the ECL technique.

Predicted band size: 89 kDa

Exposure time: 30 seconds

Lysates prepared using NETN lysis buffer.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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