

**DATASHEET**

**OSBP Rabbit Polyclonal Antibody**

CAT. NO. APA14336

**KEY FEATURES**

Target	OSBP	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

**BACKGROUND**

Lipid transporter involved in lipid countertransport between the Golgi complex and membranes of the endoplasmic reticulum: specifically exchanges sterol (cholesterol) with phosphatidylinositol 4-phosphate (PI4P, 1,2-diacyl-sn-glycero-3-phospho-(1D-myo-inositol 4-phosphate)), delivering sterol to the Golgi in exchange for PI4P, which is subsequently degraded by the SAC1/SACM1L phosphatase in the endoplasmic reticulum with phosphatidylinositol 4-phosphate (PI4P, 1,2-diacyl-sn-glycero-3-phospho-(1D-myo-inositol 4-phosphate)), delivering sterol to the Golgi in exchange for PI4P, which is subsequently degraded by the SAC1/SACM1L phosphatase in the endoplasmic reticulum . Binds cholesterol and a range of oxysterols including 25-hydroxycholesterol .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

Description	Rabbit polyclonal antibody to OSBP
Specificity	Recognizes endogenous levels of OSBP protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human OSBP
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 89 kD; Observed: 110 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	OSBP1; Oxysterol-binding protein 1
Gene Symbol	OSBP
Entrez Gene	5007(Human); 76303(Mouse)
SwissProt	P22059(Human); Q3B7Z2(Mouse)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

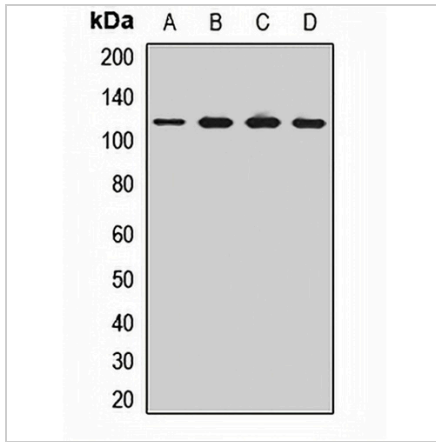
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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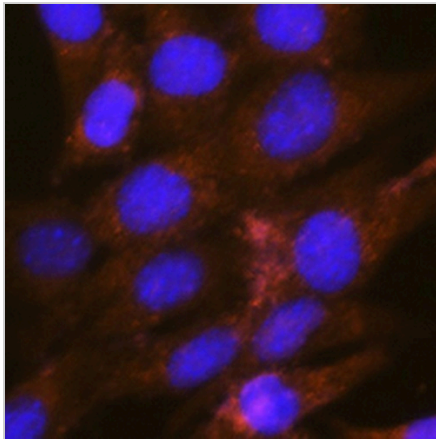
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**DATA**



Western blot analysis of OSBP expression in HeLa (A), NIH3T3 (B), mouse liver (C), rat brain (D) whole cell lysates. (Predicted band size: 89 kD; Observed band size: 110 kD)



Immunofluorescent analysis of OSBP staining in NIH3T3 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AREX® Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.