

DATASHEET

ORP-3 Rabbit Polyclonal Antibody

CAT. NO. APA14400

KEY FEATURES

Target	ORP-3	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC	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 transfer protein that mediates the non-vesicular transport of phosphoinositide 4-phosphate (1,2-diacyl-sn-glycero-3-phospho-(1D-myo-inositol 4-phosphate), or PI(4)P) at the plasma membrane (PM)/ endoplasmic reticulum (ER) contact sites , or PI(4)P) at the plasma membrane (PM)/ endoplasmic reticulum (ER) contact sites . Extracts PI4P from the PM, in exchange for phosphatidylcholine . Can bind to the ER membrane protein VAPA and recruit VAPA to PM sites, thus linking these intracellular compartments . The ORP3-VAPA complex stimulates RRAS signaling which in turn attenuates integrin beta-1 (ITGB1) activation at the cell surface . With VAPA, may regulate ER morphology . Has a role in regulation of the actin cytoskeleton, cell polarity and cell adhesion .

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
IHC	1:50 - 1:200

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

PRODUCT OVERVIEW

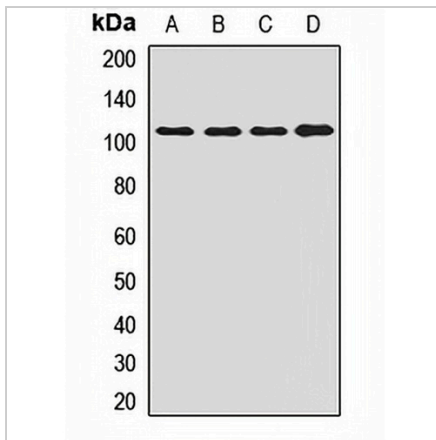
Description	Rabbit polyclonal antibody to ORP-3
Specificity	Recognizes endogenous levels of ORP-3 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human ORP-3
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 64; Observed: 101 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	KIAA0704; ORP3; OSBP3; Oxysterol-binding protein-related protein 3; ORP-3; OSBP-related protein 3
Gene Symbol	OSBPL3
Entrez Gene	26031(Human); 71720(Mouse)
SwissProt	Q9H4L5(Human); Q9DBS9(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact 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.

DATASHEET**ORP-3 Rabbit Polyclonal Antibody**

CAT. NO. APA14400

DATA

Western blot analysis of ORP-3 expression in Hela (A), HepG2 (B), mouse brain (C), rat kidney (D) whole cell lysates. (Predicted band size: 64; 68; 72; 93; 97; 101 kD; Observed band size: 101 kD)

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.