

DATASHEET

VAP-B/C Rabbit Polyclonal Antibody

CAT. NO. APA12730

KEY FEATURES

Target	VAP-B/C	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC, 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

Endoplasmic reticulum (ER)-anchored protein that mediates the formation of contact sites between the ER and endosomes via interaction with FFAT motif-containing proteins such as STARD3 or WDR44 -anchored protein that mediates the formation of contact sites between the ER and endosomes via interaction with FFAT motif-containing proteins such as STARD3 or WDR44 . Interacts with STARD3 in a FFAT motif phosphorylation dependent manner . Via interaction with WDR44 participates in neosynthesized protein export . Participates in the endoplasmic reticulum unfolded protein response (UPR) by inducing ERN1/IRE1 activity . Involved in cellular calcium homeostasis regulation .

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
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 VAP-B/C
Specificity	Recognizes endogenous levels of VAP-B/C protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human VAP-B/C
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 11; Observed: 27 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	Vesicle-associated membrane protein-associated protein B/C; VAMP-B/VAMP-C; VAMP-associated protein B/C; VAP-B/VAP-C
Gene Symbol	VAPB
Entrez Gene	9217(Human); 60431(Rat)
SwissProt	O95292(Human); Q9QY76(Mouse); Q9Z269(Rat)

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

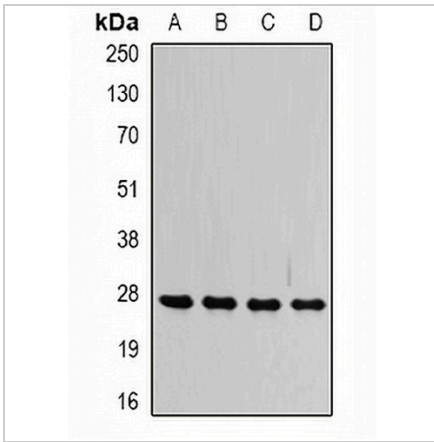
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

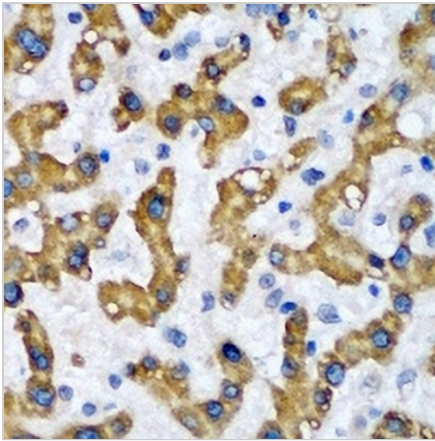
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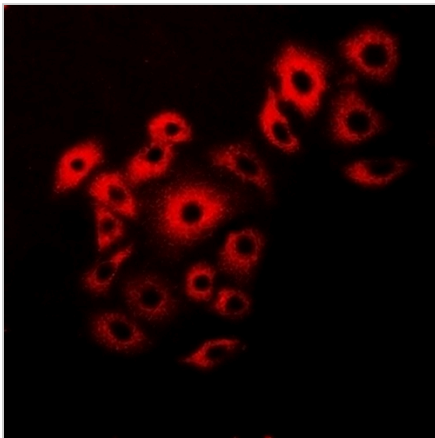
DATA



Western blot analysis of VAP-B/C expression in SW480 (A), HepG2 (B), Raji (C), mouse brain (D) whole cell lysates. (Predicted band size: 11; 27 kD; Observed band size: 27 kD)



Immunohistochemical analysis of VAP-B/C staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of VAP-B/C staining in HeLa 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 DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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.