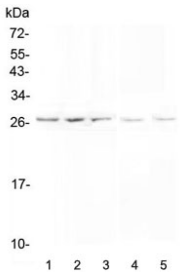
VAPB Antibody (RQ4371)

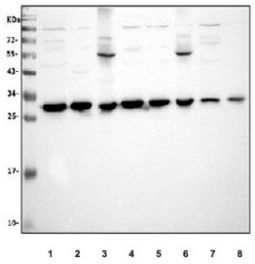
Catalog No.	Formulation	Size
RQ4371	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

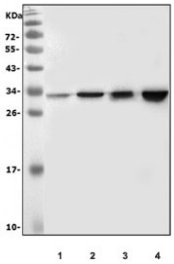
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	O95292
Localization	Cytoplasm (Endoplasmic reticulum membrane)
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Immunofluorescence (FFPE): 2-4ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This VAPB antibody is available for research use only.



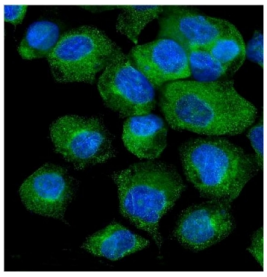
Western blot testing of 1) human PANC-1, 2) human SGC-7901, 3) human A549, 4) rat testis and 5) mouse testis lysate with VAPB antibody at 0.5ug/ml. Predicted molecular weight ~27 kDa.



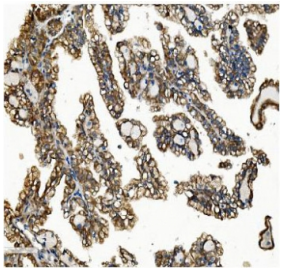
Western blot testing of human 1) MCF-7, 2) HeLa, 3) COLO-320, 4) HepG2, 5) PANC-1, 6) A375, 7) Jurkat and 8) placenta lysate with VAPB antibody at 0.5ug/ml. Predicted molecular weight ~27 kDa.



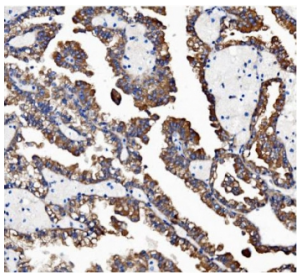
Western blot testing of mouse 1) liver, 2) heart, 3) skeletal muscle and 4) HEPA1-6 lysate with VAPB antibody at 0.5ug/ml. Predicted molecular weight ~27 kDa.



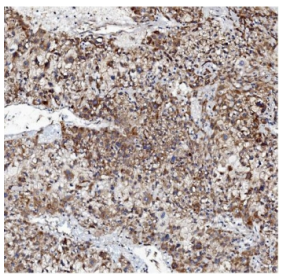
Immunofluorescent staining of FFPE human A431 cells with VAPB antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



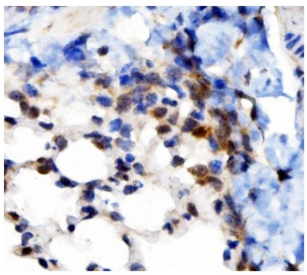
IHC staining of FFPE human renal cancer with VAPB antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



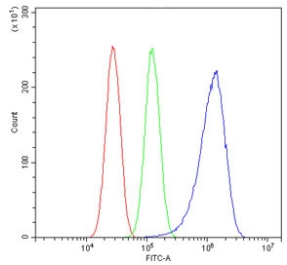
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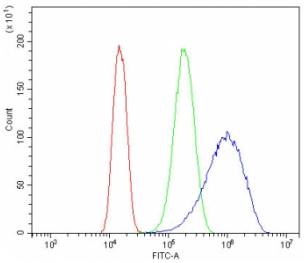
IHC staining of FFPE human liver cancer with VAPB antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE mouse lung with VAPB antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Flow cytometry testing of human U-87 MG cells with VAPB antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= VAPB antibody.



Flow cytometry testing of human Caco-2 cells with VAPB antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= VAPB antibody.

Description

Vesicle-associated membrane protein-associated protein B/C is a protein that in humans is encoded by the VAPB gene. The VAPB gene is found on the 20th human chromosome. The protein encoded by this gene is a type IV membrane protein found in plasma and intracellular vesicle membranes. The encoded protein is found as a homodimer and as a heterodimer with VAPA. This protein also can interact with VAMP1 and VAMP2 and may be involved in vesicle trafficking.

Application Notes

Optimal dilution of the VAPB antibody should be determined by the researcher.

Immunogen

A recombinant human protein corresponding to amino acids A2-R55 was used as the immunogen for the VAPB antibody.

Storage

After reconstitution, the VAPB antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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