

VAPB Polyclonal Antibody

Catalog number: 14477-1-AP

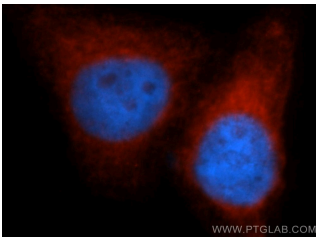
Size: 20 µg/150 µl

Source: Rabbit

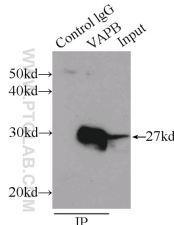
Isotype: IgG

Synonyms:

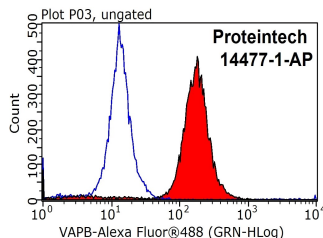
VAPB; ALS8, VAMP associated protein B/C, VAMP B, VAMP B/VAMP C, VAMP C, VAP B, VAP B/VAP C, VAP C, VAPB



Immunofluorescent analysis of HepG2 cells, using VAPB antibody 14477-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



IP Result of anti-VAPB (IP:14477-1-AP, 3µg; Detection:14477-1-AP 1:800) with HeLa cells lysate 1840µg.



1X10⁶ HepG2 cells were stained with 0.2µg VAPB antibody (14477-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.

Background

Vesicle-associated membrane protein-associated protein B (VAPB) is an integral membrane protein localized to the endoplasmic reticulum (ER) membrane. VAPB has been implicated in various cellular processes, including ER stress, the unfolded protein response (UPR) and calcium homeostasis regulation. The mutations in the gene of VAPB cause amyotrophic lateral sclerosis 8 (ALS8) and some other related forms of motor neuron disease including late onset spinal muscular atrophy.

Applications

Tested applications:	ELISA, WB, IHC, IF, IP, FC
Cited applications:	IF, IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse
Calculated VAPB MW:	27 kDa
Observed VAPB MW:	27 kDa
Positive WB detected in	Jurkat cells, HeLa cells, HepG2 cells, human brain tissue, mouse brain tissue, mouse liver tissue, mouse skeletal muscle tissue
Positive IP detected in	HeLa cells
Positive IHC detected in	Human pancreas cancer tissue, human breast cancer tissue
Positive IF detected in	HepG2 cells
Positive FC detected in	HepG2 cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:20-1:200 FC: N/A

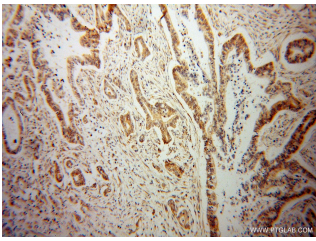
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

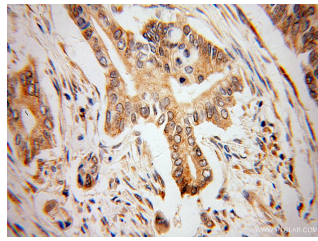
Immunogen:	Ag5857
GenBank accession number:	BC001712
Gene ID (NCBI):	9217
Full name:	VAMP (vesicle-associated membrane protein)-associated protein B and C

Product information

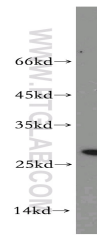
Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



Immunohistochemical of paraffin-embedded human pancreas cancer using 14477-1-AP (VAPB antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical of paraffin-embedded human pancreas cancer using 14477-1-AP (VAPB antibody) at dilution of 1:100 (under 40x lens)



Jurkat cells were subjected to SDS PAGE followed by western blot with 14477-1-AP (VAPB antibody) at dilution of 1:500