Anti-VAV2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014371

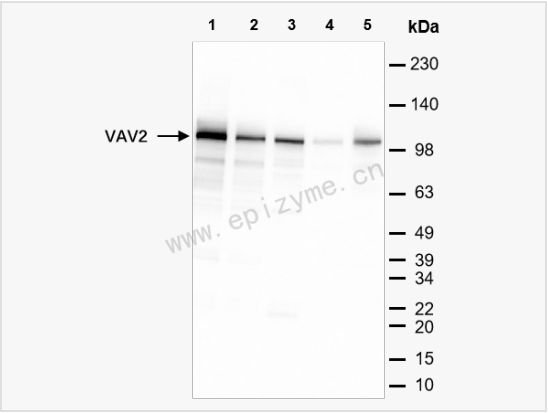
Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:3,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	49P01P38
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human VAV2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-VAV2 Rabbit mAb [49P01P38] is for research use only and not for use in diagnostic or therapeutic procedures.

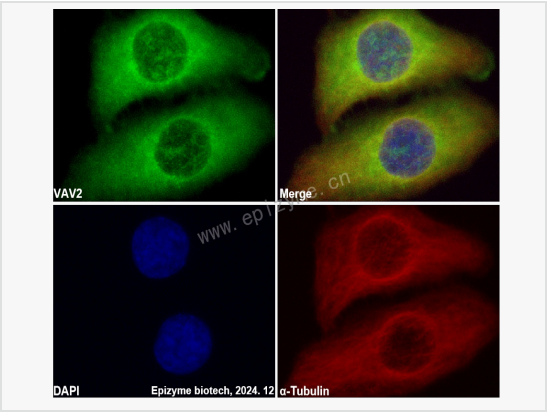
Protein Information

Synonyms	Guanine nucleotide exchange factor VAV2, Oncogene VAV2, Protein vav 2, VAV 2, Vav 2 oncogene, VAV-2, VAV2, VAV2 oncogene, VAV2_HUMAN.
Calculated MW	Calculated MW: 101 kDa; Observed MW: 101 kDa
Uniprot ID	P52735
Gene ID	7410
Background	Vav proteins belong to the Dbl family of guanine nucleotide exchange factors (GEFs) for Rho/Rac small GTPases. The three identified mammalian Vav proteins (Vav1, Vav2 and Vav3) differ in their expression. Vav1 is expressed only in hematopoietic cells and is involved in the formation of the immune synapse. Vav2 and Vav3 are more ubiquitously expressed.
Tissue Location	Widely expressed.

Validation Images



Western Blot - Anti-VAV2 Rabbit mAb [49P01P38]
All lanes: R014371 at 1:3,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates
Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 101 kDa
Observed band size: 101 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-VAV2 Rabbit mAb [49P01P38]
Sample: HeLa cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R014371 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).