

Vav2 Polyclonal Antibody

Catalog No: YT4864

Reactivity: Human; Mouse

Applications: WB;IHC;IF;ELISA

Target: VAV2

Fields: >>Rap1 signaling pathway;>>cAMP signaling pathway;>>Chemokine signaling

pathway;>>Focal adhesion;>>Natural killer cell mediated cytotoxicity;>>T cell receptor signaling pathway;>>B cell receptor signaling pathway;>>Fc epsilon RI

signaling pathway;>>Fc gamma R-mediated phagocytosis;>>Leukocyte transendothelial migration;>>Regulation of actin cytoskeleton;>>Yersinia

infection;>>Proteoglycans in cancer;>>Lipid and atherosclerosis

Gene Name: VAV2

Protein Name: Guanine nucleotide exchange factor VAV2

P52735

Q60992

Human Gene Id: 7410

Human Swiss Prot

No:

Mouse Gene ld: 22325

Mouse Swiss Prot

No:

Immunogen : The antiserum was produced against synthesized peptide derived from human

VAV2. AA range:108-157

Specificity: Vav2 Polyclonal Antibody detects endogenous levels of Vav2 protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution : WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not

yet tested in other applications.



Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 101kD

Cell Pathway: Regulation of Actin Dynamics; AMPK

Background: VAV2 is the second member of the VAV guanine nucleotide exchange factor

family of oncogenes. Unlike VAV1, which is expressed exclusively in

hematopoietic cells, VAV2 transcripts were found in most tissues. Alternatively spliced transcript variants encoding different isoforms have been found for this

gene. [provided by RefSeq, Aug 2008],

Function: function:Guanine nucleotide exchange factor for the Rho family of Ras-related

GTPases., similarity: Contains 1 CH (calponin-homology)

domain., similarity: Contains 1 DH (DBL-homology) domain., similarity: Contains 1

PH domain.,similarity:Contains 1 phorbol-ester/DAG-type zinc finger.,similarity:Contains 1 SH2 domain.,similarity:Contains 2 SH3

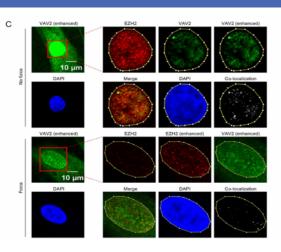
domains.,tissue specificity:Widely expressed.,

Subcellular Location:

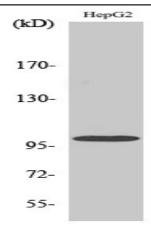
cytosol, plasma membrane,

Expression: Widely expressed.

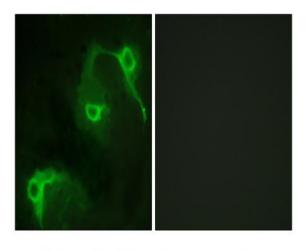
Products Images



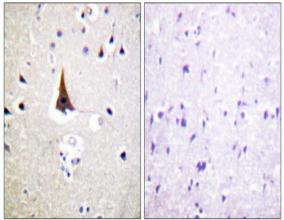
Chu, Chengbiao, et al. "Immunophenotypes based on the tumor immune microenvironment allow for unsupervised penile cancer patient stratification." Cancers 12.7 (2020): 1796.



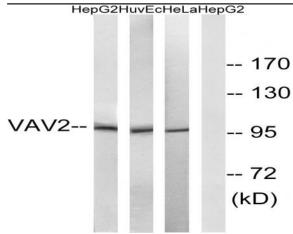
Western Blot analysis of various cells using Vav2 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunofluorescence analysis of COS7 cells, using VAV2 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using VAV2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2, HUVEC, and HeLa cells, using VAV2 Antibody. The lane on the right is blocked with the synthesized peptide.