

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
Human Gene Id :	7410
Human Swiss Prot No :	P52735
Mouse Gene Id :	22325
Mouse Swiss Prot No :	Q60992
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

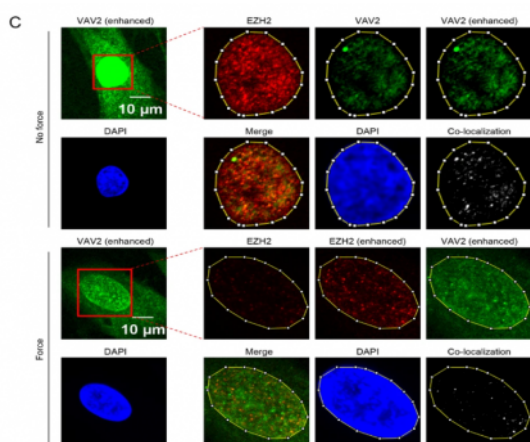
Background : VAV2 is the second member of the VAV guanine nucleotide exchange factor family of oncogenes. Unlike VAV1, which is expressed exclusively in hematopoietic cells, VAV2 transcripts were found in most tissues. Alternatively spliced transcript variants encoding different isoforms have been found 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.,

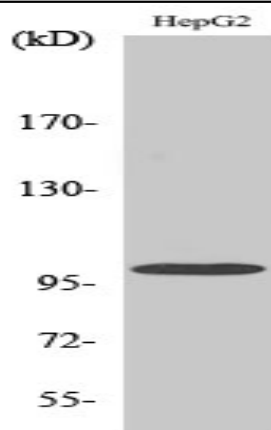
Subcellular Location : cytosol,plasma membrane,

Expression : Widely expressed.

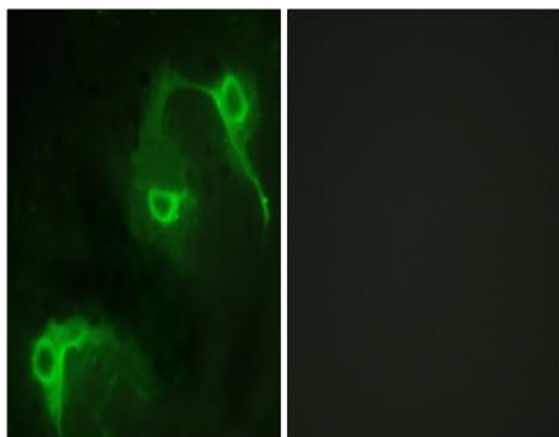
Products Images



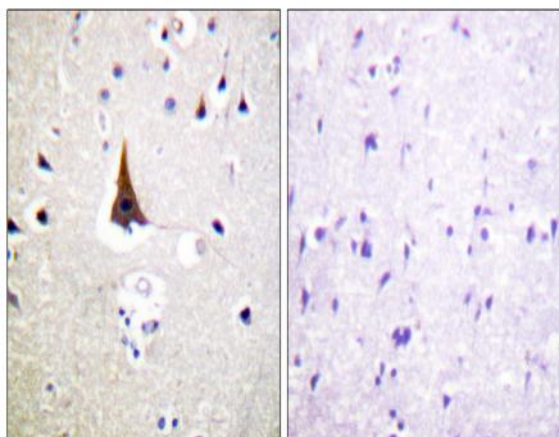
Chu, Chengbiao, et al. "Immunophenotypes based on the tumor immune microenvironment allow for unsupervised penile cancer patient stratification." *Cancers* 12.7 (2020): 1796.



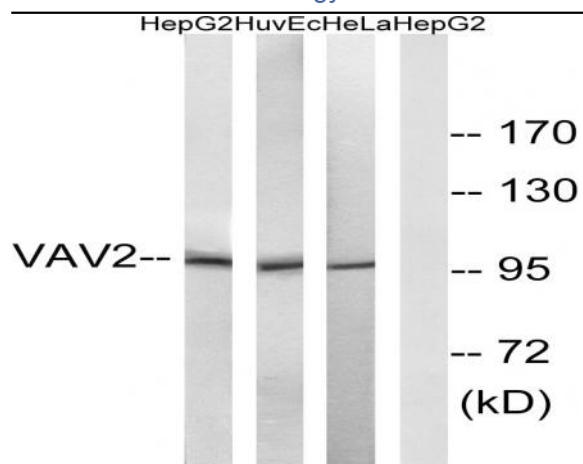
Western Blot analysis of various cells using Vav2 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



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.