

Vav3 (phospho Tyr173) Polyclonal Antibody

Catalog No: YP0839

Reactivity: Human; Mouse

Applications: WB;IHC;IF;ELISA

Target: Vav3

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: VAV3

Protein Name: Guanine nucleotide exchange factor VAV3

Q9UKW4

Q9R0C8

Human Gene Id: 10451

Human Swiss Prot

No:

Mouse Gene ld: 57257

Mouse Swiss Prot

No:

Immunogen: Synthesized phospho-peptide around the phosphorylation site of human Vav3

(phospho Tyr173)

Specificity: Phospho-Vav3 (Y173) Polyclonal Antibody detects endogenous levels of Vav3

protein only when phosphorylated at Y173.

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

Source: Polyclonal, Rabbit, lgG

Dilution: WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200

1/3



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: 100kD

Cell Pathway: Regulation of Actin Dynamics; AMPK

Background: This gene is a member of the VAV gene family. The VAV proteins are guanine

nucleotide exchange factors (GEFs) for Rho family GTPases that activate pathways leading to actin cytoskeletal rearrangements and transcriptional alterations. This gene product acts as a GEF preferentially for RhoG, RhoA, and to a lesser extent, RAC1, and it associates maximally with the nucleotide-free states of these GTPases. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeg, Jul

2008],

Function: function: Exchange factor for GTP-binding proteins RhoA, RhoG and, to a lesser

extent, Rac1. Binds physically to the nucleotide-free states of those

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., subunit: Interacts with the PH domain of APS.,

Subcellular Location :

intracellular, cytosol, plasma membrane, extracellular exosome,

Expression: Isoform 1 and isoform 3 are widely expressed; both are expressed at very low

levels in skeletal muscle. In keratinocytes, isoform 1 is less abundant than isoform 3. Isoform 3 is detected at very low levels, if any, in adrenal gland, bone marrow,

spleen, fetal brain and spinal chord; in these tissues, isoform 1 is readily

detectable.

Sort : 24096

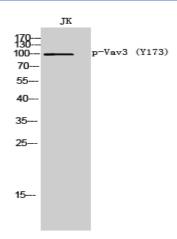
No4: 1

Host: Rabbit

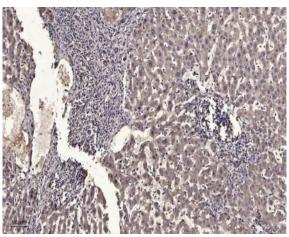
Modifications : Phospho



Products Images



Western Blot analysis of JK cells using Phospho-Vav3 (Y173) Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).