VAV2 (D138) polyclonal antibody

Catalog: BS2443 Host: Rabbit Reactivity: Human,Rat

BackGround:

VAV2 is a ubiquitously expressed structural homolog of the VAV protooncogene that is expressed preferentially in hematopoetic cells. Both proteins are comprised of a Dbl homology (DH) domain with guanosine nucleotide exchange (GEF) activity exclusively directed towards Rho/Rac GTPases, a pleckstrin homology (PH) domain, a calponin-homology (CH) region, an acidic domain (AD) a zinc finger butterfly motif, two SH3 regions and one SH2 domain. GEF activity of RhoA family G proteins is induced by tyrosine phosphorylation in wild type VAV2, and is constitutively activated in N terminus deleted oncogene forms. Constitutive expression of a VAV2 oncoprotein may result in morphological alterations including highly enlarged cells in which karyokinesis and cytokinesis frequently are uncoupled.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~108 kDa

Swiss-Prot:

P52735

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

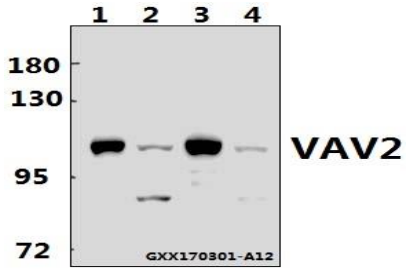
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

VAV2 (D138) polyclonal antibody detects endogenous levels of VAV2 protein.

DATA:



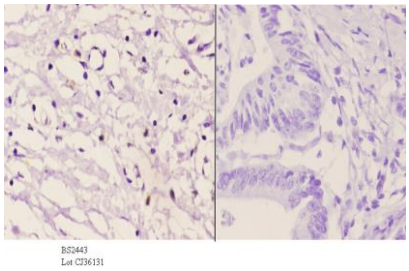
Western blot (WB) analysis of VAV2 (D138) polyclonal antibody at 1:500 dilution

Lane1:MCF-7 whole cell lysate(20ug)

Lane2:Hela whole cell lysate(40ug)

Lane3:A549 whole cell lysate(40ug)

Lane4:C6 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of VAV2 (D138) pAb in paraffin-embedded human colon carcinoma tissue at 1:50.showing cytoplasmic staining. Negative control (the right)Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

For research use only, not for use in diagnostic procedure.

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