

bs-6160R**[Primary Antibody]****VAV2 Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ELISA (1:5000-10000) Reactivity: (predicted: Human, Mouse, Rat, Pig, Cow, Dog) Predicted MW.: 97 kDa Subcellular Location: Cytoplasm
Clonality: Polyclonal		
GeneID: 7410	SWISS: P52735	
Target: VAV2		
Immunogen: KLH conjugated synthetic peptide derived from human VAV2: 401-500/878.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: VAV2 is a ubiquitously expressed structural homolog of the VAV protooncogene that is expressed preferentially in hematopoietic 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.		