DVL1 Polyclonal Antibody

Catalog No	BYab-07739
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	DVL1
Protein Name	Segment polarity protein dishevelled homolog DVL-1 (Dishevelled-1) (DSH homolog 1)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	DVL1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	76kD
Cell Pathway	Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . Cytoplasm, cytosol . Cytoplasmic vesicle . Localizes at the cell membrane upon interaction with frizzled family members. .
Tissue Specificity	Brain,Eye,Peripheral Nervous System,Sympathetic ganglion,Testis,
Function	disease:May be partly responsible for CATCH22 syndromes. This denomination includes developmental defects which associate cardiac defect, abnormal facies, thymic hypoplasia, cleft palate, hypocalcemia, and chromosome 22 deletions.,function:May play a role in the signal transduction pathway mediated by multiple Wnt genes.,PTM:Ubiquitinated, leading to its subsequent degradation by the ubiquitin-proteasome. The interaction with INVS is required for ubiquitination.,similarity:Belongs to the DSH family.,similarity:Contains 1 DEP domain.,similarity:Contains 1 DIX domain.,similarity:Contains 1 PDZ (DHR) domain.,subunit:Interacts with CXXC4. Interacts (via PDZ domain) with NXN (By similarity). Interacts with BRD7 and INVS. Interacts through its PDZ domain with

	the C-terminal regions of VANGL1, VANGL2 and CCDC88C/DAPLE.,tissue specificity:Expressed in the thymus and, at high levels, in the heart
Background	DVL1, the human homolog of the Drosophila dishevelled gene (dsh) encodes a cytoplasmic phosphoprotein that regulates cell proliferation, acting as a transducer molecule for developmental processes, including segmentation and neuroblast specification. DVL1 is a candidate gene for neuroblastomatous transformation. The Schwartz-Jampel syndrome and Charcot-Marie-Tooth disease type 2A have been mapped to the same region as DVL1. The phenotypes of these diseases may be consistent with defects which might be expected from aberrant expression of a DVL gene during development. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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