

Rabbit DVL1 Polyclonal Antibody | anti-DVL1 antibody

DVL1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327185	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

DVL1; Polyclonal Antibody; DVL1 Antibody; Dishevelled 1; dishevelled 1 like; Dishevelled; Dishevelled dsh homolog 1; Dishevelled-1; Dishevelled1; DSH homolog 1; Dvl 1; Dvl; Dvl1; DVL1_HUMAN; DVL1L1; MGC54245; Segment polarity protein dishevelled homolog DVL 1; segment polarity protein dishevelled homolog DVL 1 like; Segment polarity protein dishevelled homolog DVL-1; Segment polarity protein dishevelled homolog DVL1; anti-DVL1 antibody

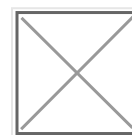
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	DVL1 antibody detects endogenous levels of total DVL1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	695
Applicable Applications for anti-DVL1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human DVL1
Subcellular Location	Cell Membrane. Cytoplasm, Cytosol. Cytoplasmic Vesicle. Localizes at the cell membrane upon interaction with frizzled family members.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Chicken (80%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES


WB (Western Blot)

Western blot analysis of DVL1 using HT-29 whole cell lysates


IHC (Immunohistochemistry)

AAA327185 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-DVL1 antibody	Function: Participates in Wnt signaling by binding to the cytoplasmic C-terminus of frizzled family members and transducing the Wnt signal to down-stream effectors. Plays a role both in canonical and non-canonical Wnt signaling. Plays a role in the signal transduction pathways mediated by multiple Wnt genes. Required for LEF1 activation upon WNT1 and WNT3A signaling. DVL1 and PAK1 form a ternary complex with MUSK which is important for MUSK-dependent regulation of AChR clustering during the formation of the neuromuscular junction (NMJ). Subunit Structure: 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. Interacts with ARRB1; the interaction is enhanced by phosphorylation of DVL1. Interacts with CYLD (By similarity). Interacts (via PDZ domain) with RYK. Self-associates (via DIX domain) and forms higher homooligomers. Interacts (via PDZ domain) with DACT1 and FZD7, where DACT1 and FZD7 compete for the same binding site (By similarity). Interacts (via DEP domain) with MUSK; the interaction is direct and mediates the formation a DVL1, MUSK and PAK1 ternary complex involved in AChR clustering (By similarity). Interacts (via PDZ domain) with TMEM88. Interacts with DCDC2. Interacts with FOXC2 (PubMed:25805136). Post-translational Modifications: Ubiquitinated; undergoes both 'Lys-48'-linked ubiquitination, leading to its subsequent degradation by the ubiquitin-proteasome pathway, and 'Lys-63'-linked ubiquitination. The interaction with INVS is required for ubiquitination. Deubiquitinated by CYLD, which acts on 'Lys-63'-linked ubiquitin chains (By similarity). Similarity: The DIX domain promotes homooligomerization.The DEP domain mediates interaction with the cell membrane. Belongs to the DSH family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1057866092
NCBI GeneID	1855
NCBI Accession #	NP_001317240.1
NCBI GenBank Nucleotide #	NM_001330311.1
UniProt Accession #	O14640; Q5TA33; Q5TA35; P54792
Molecular Weight	Observed: 75 kDa Predicted: 76 kDa
NCBI Official Full Name	segment polarity protein dishevelled homolog DVL-1 isoform 1
NCBI Official Synonym Full Names	dishevelled segment polarity protein 1
NCBI Official Symbol	DVL1
NCBI Official Synonym Symbols	DVL; DRS2; DVL1L1; DVL1P1
NCBI Protein Information	segment polarity protein dishevelled homolog DVL-1
UniProt Protein Name	Segment polarity protein dishevelled homolog DVL-1
UniProt Gene Name	DVL1
UniProt Synonym Gene Names	Dishevelled-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dvl1-antibody-immunohistochemistry-western-blot-elisa/327185>