

Product datasheet for **TA329900**

DVL1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-DVL1 antibody: synthetic peptide directed towards the C terminal of human DVL1. Synthetic peptide located within the following region: AAGAGGSGSESDHTAPSGVGSSWRERPAGQLSRGSSPRSQASATAPGLPP
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	73 kDa
Gene Name:	dishevelled segment polarity protein 1
Database Link:	NP_004412 Entrez Gene 1855 Human O14640



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Background:

DVL1 is a cytoplasmic phosphoprotein that regulates cell proliferation, acting as a transducer molecule for developmental processes, including segmentation and neuroblast specification. DVL1 gene is a candidate for neuroblastomatous transformation. The Schwartz-Jampel syndrome and Charcot-Marie-Tooth disease type 2A have been mapped to the same region as DVL1 gene. The phenotypes of these diseases may be consistent with defects which might be expected from aberrant expression of a DVL gene during development. 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. Three transcript variants encoding three different isoforms have been found for this gene.

Synonyms:

DRS2; DVL; DVL1L1; DVL1P1

Note:

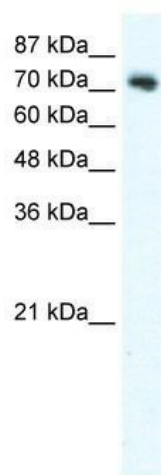
Immunogen sequence homology: Human: 100%; Pig: 93%; Dog: 86%; Rat: 86%; Horse: 86%; Mouse: 86%; Bovine: 86%; Yeast: 85%; Guinea pig: 79%

Protein Families:

Druggable Genome, ES Cell Differentiation/IPS

Protein Pathways:

Basal cell carcinoma, Colorectal cancer, Melanogenesis, Notch signaling pathway, Pathways in cancer, Wnt signaling pathway

Product images:

WB Suggested Anti-DVL1 Antibody Titration: 2.5 ug/ml; Positive Control: K562 cell lysate DVL1 is supported by BioGPS gene expression data to be expressed in K562