

**DVL2 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14900b**

**Specification**

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**DVL2 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O14641</a>
Other Accession	<a href="#">O60838</a> , <a href="#">NP_004413.1</a>
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	78948
Antigen Region	588-617

**DVL2 Antibody (C-term) - Additional Information**

**Gene ID** 1856

**Other Names**

Segment polarity protein dishevelled homolog DVL-2, Dishevelled-2, DSH homolog 2, DVL2

**Target/Specificity**

This DVL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 588-617 amino acids from the C-terminal region of human DVL2.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

DVL2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**DVL2 Antibody (C-term) - Protein Information**

**Name** DVL2

**Function** Plays a role in the signal transduction pathways mediated by multiple Wnt genes (PubMed:[24616100](#)). Participates both in canonical and non-canonical Wnt signaling by binding to the cytoplasmic C- terminus of frizzled family members and transducing the Wnt signal to down-stream effectors. Promotes internalization and degradation of frizzled proteins upon Wnt signaling.

#### Cellular Location

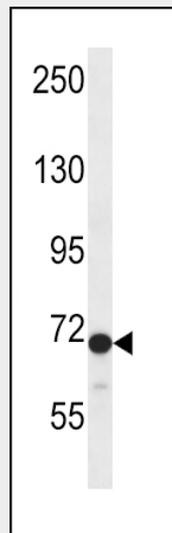
Cell membrane {ECO:0000250|UniProtKB:Q60838}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q60838}; Cytoplasmic side {ECO:0000250|UniProtKB:Q60838}. Cytoplasm, cytosol. Cytoplasmic vesicle {ECO:0000250|UniProtKB:Q60838}. Nucleus  
Note=Localizes at the cell membrane upon interaction with frizzled family members and promotes their internalization. Localizes to cytoplasmic puncta (By similarity). Interaction with FO XK1 and FO XK2 induces nuclear translocation (PubMed:25805136) {ECO:0000250|UniProtKB:Q60838, ECO:0000269|PubMed:24616100, ECO:0000269|PubMed:25805136}

#### DVL2 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### DVL2 Antibody (C-term) - Images



DVL2 Antibody (C-term) (Cat. #AP14900b) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the DVL2 antibody detected the DVL2 protein (arrow).

#### DVL2 Antibody (C-term) - Background

This gene encodes a member of the dishevelled (dsh) protein family. The vertebrate dsh proteins have approximately 40%

amino acid sequence similarity with *Drosophila* dsh. This gene encodes a 90-kD protein that undergoes posttranslational phosphorylation to form a 95-kD cytoplasmic protein, which may play a role in the signal transduction pathway mediated by multiple Wnt proteins. The mechanisms of dishevelled function in Wnt signaling are likely to be conserved among metazoans.

#### **DVL2 Antibody (C-term) - References**

Inkster, B., et al. *Neuroimage* 53(3):908-917(2010)  
Kikuchi, K., et al. *EMBO J.* 29(20):3470-3483(2010)  
Bailey, S.D., et al. *Diabetes Care* 33(10):2250-2253(2010)  
Gao, C., et al. *Nat. Cell Biol.* 12(8):781-790(2010)  
Gnad, T., et al. *Mol. Cancer* 9, 31 (2010) :