

DVL2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP14900b**Specification**

DVL2 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O14641](#)**DVL2 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 1856**Other Names**

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

DVL2 Antibody (C-term) Blocking Peptide - Protein Information**Name** DVL2**Function**

Plays a role in the signal transduction pathways mediated by multiple Wnt genes. 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 {ECO:0000250|UniProtKB:Q60838}. 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 FOXK1 and FOXK2 induces nuclear translocation (PubMed:25805136) {ECO:0000250|UniProtKB:Q60838, ECO:0000269|PubMed:25805136}

DVL2 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DVL2 Antibody (C-term) Blocking Peptide - Images

DVL2 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - 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) :