

Goat Anti-Human DVL3 Polyclonal Antibody

Cat. No. CPBT-Y0051RH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Goat Anti-Human DVL3 Polyclonal Antibody
Species	Human
Antigen Description	Mammalian homologs of the Drosophila dishevelled (Dsh) gene have been identified, including Dvl-1, Dvl-2 and Dvl-3. The mammalian dishevelled proteins contain three homologous domains, two of which are unrelated to any other known protein. The third region is homologous to the discs-large homology domain of Drosophila discs-large-1, a tumor suppressor protein. Like their Drosophila counterpart, the dishevelled proteins are thought to be in-volved in embryogenesis. Overexpression of Dvl-1 has been shown to inhibit the phosphorylation of tau by GSK-3b. This finding may prove to be important in Alzheimer's studies, which have shown that tau is hyperphosphorylated. In Drosophila, Dsh is a component of the frizzled signaling pathway. Both mammalian dishevelled and frizzled proteins are components of the Wnt signalling pathway.
Target	DVL3
Isotype	IgG
species	Human
Cross Reactivity	Mouse,Rat and Human
Applications	WB, IP, IF and ELISA

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Storage

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment.
Non-hazardous. No MSDS required.

GENE INFORMATION
Gene Name

DVL3 dishevelled, dsh homolog 3 (Drosophila) [Homo sapiens]

Official Symbol

DVL3

Synonyms

DVL3; dishevelled, dsh homolog 3 (Drosophila); dishevelled 3 (homologous to Drosophila dsh); segment polarity protein dishevelled homolog DVL-3; KIAA0208; DSH homolog 3; dishevelled-3;

Gene ID

1857

mRNA Refseq

NM_004423

Protein Refseq

NP_004414

MIM

601368

UniProt ID

Q92997

**Chromosome
Location**

3q27

Pathway

Basal cell carcinoma, organism-specific biosystem; Basal cell carcinoma, conserved biosystem; Canonical Wnt signaling pathway, organism-specific biosystem; DNA damage response (only ATM dependent), organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Melanogenesis, organism-specific biosystem;

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Function

beta-catenin binding; frizzled binding; protease binding; protein binding; protein heterodimerization activity; receptor binding; signal transducer activity;

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