

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Dishevelled-1 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human (rh) DVL-2 and rhDVL-3 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Dishevelled-1 Arg150-Leu215 Accession # O14640
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

DVL-1 (Dishevelled-1) is a cytoplasmic phosphoprotein that is one of the three human orthologs of the *Drosophila* dishevelled segment polarity protein. Human DVL-1 is expressed in multiple tissues where it participates in Wnt signal transduction. DVL-1 is a modular protein containing DIX, PDZ and DEP linker regions that connect Wnt/Frizzled engagement to proteins involved in the inactivation of β -catenin destruction in the Wnt canonical pathway. Human DVL-1 shows 93% aa identity with mouse and rat DVL-1 over the sequence used for immunization. Three shorter isoforms have been described, but it is unclear whether these are actually expressed.

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