

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Dishevelled-2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human (rh) DVL-1 or rhDVL-3 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 373413
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Dishevelled-2 Leu78-Thr250 Accession # O14641
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.

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

Dishevelled-2 (DVL-2) is a 90-95 kDa cytoplasmic phosphoprotein that is one of the three *Drosophila* dishevelled orthologs. Human DVL-2 is expressed in multiple tissues, participates in Wnt signal transduction and may mediate Wnt-dependent motility. DVL-2 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 and mouse DVL-2 share 94% aa identity over the sequence used for immunization.

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