# Human Dishevelled-2 Antibody

Monoclonal Mouse $IgG_1$ Clone # 373413

Catalog Number: MAB4216

## DESCRIPTION

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| **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** | *E. coli*-derived recombinant human Dishevelled-2<br>Leu78-Thr250<br>Accession # O14641 |
| **Formulation** | Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.<br>*Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS. |

## 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.*

| | Recommended Concentration | Sample |
|---|---|---|
| **Western Blot** | 1 µg/mL | Recombinant Human Dishevelled-2 |

## PREPARATION AND STORAGE

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| **Reconstitution** | Reconstitute at 0.5 mg/mL in sterile PBS. |
| **Shipping** | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.<br>*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C |
| **Stability & Storage** | **Use a manual defrost freezer and avoid repeated freeze-thaw cycles.**<br>● 12 months from date of receipt, -20 to -70 °C as supplied.<br>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.<br>● 6 months, -20 to -70 °C under sterile conditions after reconstitution. |

## 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.



bio-techne®
Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956
USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373
Europe | Middle East | Africa TEL +44 (0)1235 529449