Datasheet for ABIN2779458

# anti-DVL2 antibody (N-Term)

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## Overview

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| Quantity: | 100 µL |
| Target: | DVL2 |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat, Zebrafish (Danio rerio), Cow, Dog, Guinea Pig, Horse, Rabbit, Saccharomyces cerevisiae |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This DVL2 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

## Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human DVL2 |
| Sequence: | AGSSTGGGGV GETKVIYHLD EEETPYLVKI PVPAERITLG DFKSVLQRPA |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 82%, Zebrafish: 93% |
| Characteristics: | This is a rabbit polyclonal antibody against DVL2. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

## Target Details

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| Target: | DVL2 |

## Target Details

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| Alternative Name: | DVL2 (DVL2 Products) |
| Background: | DVL2 is a member of the dishevelled (dsh) protein family. It is 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. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.<br>Alias Symbols: -<br>Protein Interaction Partner: UBC, NUMA1, IQGAP1, DVL3, DVL1, RNF185, WWOX, SQSTM1, IRS2, IRS1, TARS, GABARAPL1, CSNK1E, OTULIN, TP53, LYN, Smurf2, PLA2G12A, CTBP2, LRRK2, ATN1, RBFOX1, ITCH, ELAVL1, NHLRC1, MAP1LC3A, GABARAP, VHL, SIRT1, VANGL1, TCEB3B, CPSF7, SNF8, PPM1A, POLI, DYNL<br>Protein Size: 736 |
| Molecular Weight: | 79 kDa |
| Gene ID: | 1856 |
| NCBI Accession: | NM_004422, NP_004413 |
| UniProt: | O14641 |
| Pathways: | Tube Formation |

## Application Details

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| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 736 AA |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |

## Handling

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| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

## Publications

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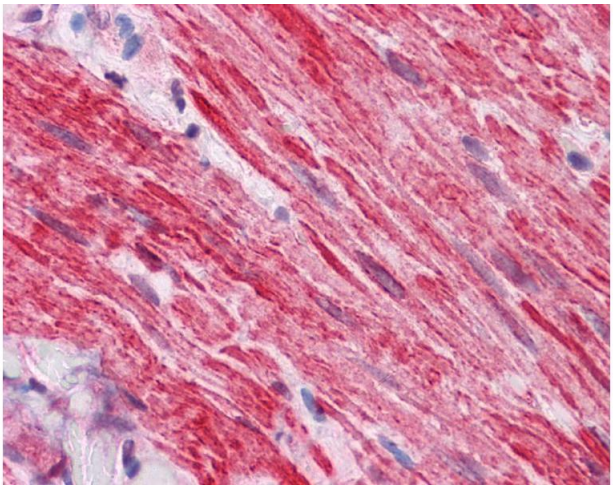
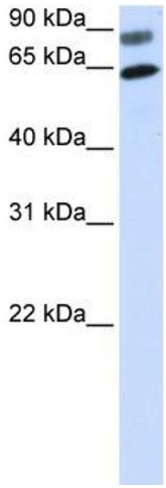
| Product cited in: | Sweetman, Münsterberg: "The vertebrate spalt genes in development and disease." in: **Developmental biology**, Vol. 293, Issue 2, pp. 285-93, (2006) (PubMed). |

## Images



**Immunohistochemistry**

**Image 1. IHC Information:** Paraffin embedded small intestine, muscularis propria tissue, tested with an antibody dilution of 5 ug/ml.




**Western Blotting**

**Image 2.** WB Suggested Anti-DVL2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Transfected 293T