

# Anti-Dishevelled 3 Picoband Antibody

Catalog # ABO10292

Specification

# Anti-Dishevelled 3 Picoband Antibody - Product Information

ApplicationWBPrimary Accession092997HostRabbitReactivityHuman, Mouse, RatClonalityPolyclonalFormatLyophilizedDescriptionRabbit IgG polyclonal antibody for Segment polarity protein dishevelled homolog DVL-3(DVL3)detection. Tested with WB in Human; Mouse; Rat.

**Reconstitution** Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

## Anti-Dishevelled 3 Picoband Antibody - Additional Information

Gene ID 1857

**Other Names** Segment polarity protein dishevelled homolog DVL-3, Dishevelled-3, DSH homolog 3, DVL3, KIAA0208

Calculated MW 78055 MW KDa

**Application Details** Western blot, 0.1-0.5 μg/ml, Mouse, Rat, Human<br>

Subcellular Localization Cytoplasm .

Protein Name Segment polarity protein dishevelled homolog DVL-3

Contents Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen A synthetic peptide corresponding to a sequence in the middle region of human Dishevelled 3 (397-434aa DTERLDDFHLSIHSDMAAIVKAMASPESGLEVRDRMW L), identical to the related mouse sequence.

**Purification** Immunogen affinity purified.



**Cross Reactivity** No cross reactivity with other proteins.

Storage

At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.

# Anti-Dishevelled 3 Picoband Antibody - Protein Information

Name DVL3

Synonyms KIAA0208

**Function** Involved in the signal transduction pathway mediated by multiple Wnt genes.

Cellular Location Cytoplasm {ECO:0000250|UniProtKB:014641}.

## Anti-Dishevelled 3 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- <u>Blocking Peptides</u>
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-Dishevelled 3 Picoband Antibody - Images

12 <b>kDa</b> 180 - 130 - 95 -	
95.	
72 - <b>- - - - - - - - - </b>	
34 - 26 -	
20 -	
17-	



Figure 1. Western blot analysis of Dishevelled 3 using anti- Dishevelled 3 antibody (ABO10292). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 2: mouse brain tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti- Dishevelled 3 antigen affinity purified polyclonal antibody (Catalog # ABO10292) at 0.5  $\hat{1}$ /4g/mL overnight at 4 $\hat{A}$ °C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Dishevelled 3 at approximately 78KD. The expected band size for Dishevelled 3 is at 78KD.

#### Anti-Dishevelled 3 Picoband Antibody - Background

Segment polarity protein dishevelled homolog DVL-3 is a protein that in humans is encoded by the DVL3 gene. It is mapped to 3q27.1. This gene is a member of a multi-gene family which shares strong similarity with the Drosophila dishevelled gene, dsh. The Drosophila dishevelled gene encodes a cytoplasmic phosphoprotein that regulates cell proliferation.