

Anti-Dishevelled 3/DVL3 Antibody Picoband™

Catalog Number: A03577

About DVL3

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.

Overview

Product Name	Anti-Dishevelled 3/DVL3 Antibody Picoband™
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Dishevelled 3/DVL3 Antibody Picoband™ catalog # A03577. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q92997

Technical Details

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.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Purification	Immunogen affinity purified.

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used Western blot, 0.1-0.5 µg/ml, Mouse, Rat, Human

For protocols, please visit <https://www.bosterbio.com/protocol-and-troubleshooting/>

Anti-Dishevelled 3/DVL3 Antibody Picoband™ (A03577) Images

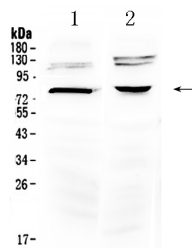


Figure 1. Western blot analysis of Dishevelled 3 using anti-Dishevelled 3 antibody (A03577).

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 50µg 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 # A03577) at 0.5 µg/mL overnight at 4°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 (Catalog # EK1002) 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.

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