

Datasheet for ABIN5518827
anti-DVL3 antibody (Middle Region)



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1 Image

Overview

Quantity:	100 µg
Target:	DVL3
Binding Specificity:	AA 397-434, Middle Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DVL3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-Dishevelled 3/DVL3 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human Dishevelled 3, identical to the related mouse sequence.
Sequence:	DTERLDDFHL SIHSDMAAIV KAMASPESGL EVRDRMW
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Dishevelled 3/DVL3 Antibody Picoband® (ABIN5518827). Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: DVL3

Alternative Name: DVL3 ([DVL3 Products](#))

Background: Synonyms: Segment polarity protein dishevelled homolog DVL-3, Dishevelled-3, DSH homolog 3, DVL3, KIAA0208,
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.

Molecular Weight: 78 kDa

Gene ID: 1857

UniProt: [Q92997](#)

Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL, Mouse, Rat, Human
1. Hocesvar, B A, Mou F, Rennolds J L, Morris S M, Cooper J A, Howe P H (June 2003). "Regulation of the Wnt signaling pathway by disabled-2 (Dab2)". EMBO J. England. 22 (12): 3084-94. 2. Pizzuti A, Amati F, Calabrese G, Mari A, Colosimo A, Silani V, Giardino L, Ratti A, Penso D, Calza L, Palka G, Scarlato G, Novelli G, Dallapiccola B (January 1997). "cDNA characterization and chromosomal mapping of two human homologues of the Drosophila dishevelled polarity gene". Hum Mol Genet. 5 (7): 953-8.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

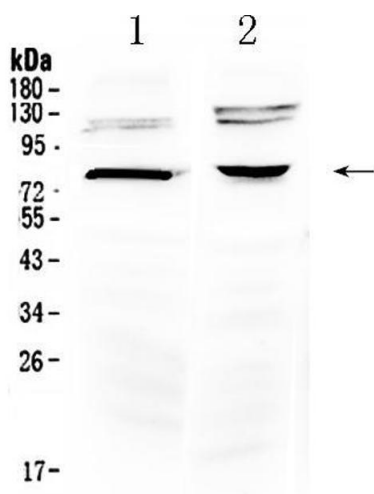
Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	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.

Images



Western Blotting

Image 1. Western blot analysis of Dishevelled 3 using anti-Dishevelled 3 antibody . 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 #) 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.