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Anti-Dishevelled 3 Picoband Antibody

Catalog # ABO10292

Product Information

Application	WB
Primary Accession	Q92997
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit 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.

Additional Information

Gene ID	1857
Other Names	Segment polarity protein dishevelled homolog DVL-3, Dishevelled-3, DSH homolog 3, DVL3, KIAA0208
Calculated MW	78055
Application Details	Western blot, 0.1-0.5 □g/ml, Mouse, Rat, Human
Subcellular Localization	Cytoplasm .
Source	Eukaryota
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.

Protein Information

Name	DVL3
Synonyms	KIAA0208
Function	Involved in the signal transduction pathway mediated by multiple Wnt genes.
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:O14641}.

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.

Images

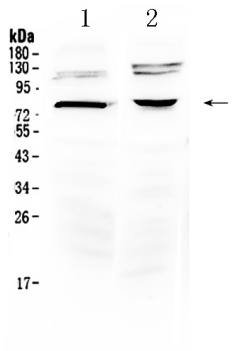

Figure 1. Western blot analysis of Dishevelled 3 using anti- Dishevelled 3 antibody (ABO10292). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 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 □¼g/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 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.