

Rabbit DVL2 Polyclonal Antibody | anti-DVL2 antibody

Anti-DVL2 Antibody Picoband

CATALOG # AAA127114	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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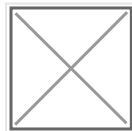
PRODUCT SYNONYMS

DVL2; Polyclonal Antibody; Anti-DVL2 Antibody Picoband; anti-DVL2 antibody

PRODUCT SPECIFICATIONS

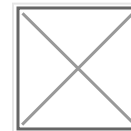
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-DVL2 antibody	ELISA, WB (Western Blot)
Immunogen	E coli-derived human DVL2 recombinant protein (Position: L89-Y576). Human DVL2 shares 97.3% amino acid (aa) sequence identity with mouse DVL2.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of A431 cells using anti-DVL2 antibody (AAA127114). Overlay histogram showing A431 cells stained with AAA127114 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-DVL2 Antibody (AAA127114, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)

Figure 1. Western blot analysis of DVL2 using anti-DVL2 antibody (AAA127114). 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 30 ug of sample under reducing conditions. Lane 1: human HepG2 whole cell lysates, Lane 2: human MCF-7 whole cell lysates, Lane 3: human A431 whole cell lysates, Lane 4: human Hela whole cell lysates, Lane 5: rat thymus tissue lysates, Lane 6: rat C6 whole cell lysates, Lane 7: mouse thymus tissue lysates, Lane 8: mouse NIH/3T3 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA 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-DVL2 antigen affinity purified polyclonal antibody (#AAA127114) at 0.5ug/mL overnight at 4 degree 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 1:5000 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 DVL2 at approximately 85 kDa. The expected band size for DVL2 is at 79 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-DVL2 antibody	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 Categories/Family for anti-DVL2 antibody	Primary Antibodies
References	1. Capelluto, D. G. S., Kutateladze, T. G., Habas, R., Finkielstein, C. V., He, X., Overduin, M. The DIX domain targets dishevelled to actin stress fibres and vesicular membranes. Nature 419: 726-729, 2002. 2. Chen, W., ten Berge, D., Brown, J., Ahn, S., Hu, L. A., Miller, W. E., Caron, M. G., Barak, L. S., Nusse, R., Lefkowitz, R. J. Dishevelled 2 recruits beta-arrestin 2 to mediate Wnt5A-stimulated endocytosis of frizzled 4. Science 301: 1391-1394, 2003. 3. Greco, T. L., Sussman, D. J., Camper, S. A. Dishevelled-2 maps to human chromosome 17 and distal to Wnt3a and vestigial tail (vt) on mouse chromosome 11. Mammalian Genome 7: 475-476, 1996.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758216
NCBI GeneID	1856
NCBI Accession #	NP_004413.1
NCBI GenBank Nucleotide #	NM_004422.2
UniProt Accession #	O14641; Q53XM0; D3DTN3
Molecular Weight	78,948 Da
NCBI Official Full Name	segment polarity protein dishevelled homolog DVL-2
NCBI Official Synonym Full Names	dishevelled segment polarity protein 2
NCBI Official Symbol	DVL2
NCBI Protein Information	segment polarity protein dishevelled homolog DVL-2; dishevelled, dsh homolog 2; dishevelled 2 (homologous to Drosophila dsh)
UniProt Protein Name	Segment polarity protein dishevelled homolog DVL-2
UniProt Gene Name	DVL2
UniProt Synonym Gene Names	Dishevelled-2
UniProt Entry Name	DVL2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dvl2-antibody-western-blot-elisa/127114>