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DVL3 Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a partial recombinant DVL3.
Catalog # AT1832a

Product Information

Application	WB, IF, E
Primary Accession	Q92997
Other Accession	BC032459
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	4H2
Calculated MW	78055

Additional Information

Gene ID	1857
Other Names	Segment polarity protein dishevelled homolog DVL-3, Dishevelled-3, DSH homolog 3, DVL3, KIAA0208
Target/Specificity	DVL3 (AAH32459, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	DVL3 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

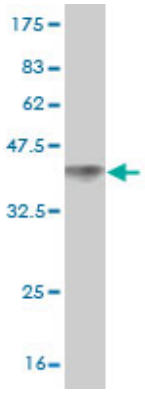
This gene is a member of a multi-gene family which shares strong similarity with the Drosophila dishevelled gene, dsh. The Drosophila dishevelled gene encodes a cytoplasmic phosphoprotein that regulates cell proliferation.

References

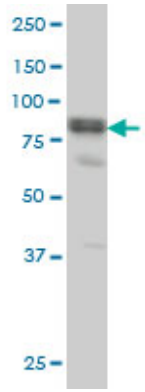
Helicobacter pylori-induced activation of beta-catenin involves low density lipoprotein receptor-related protein 6 and Dishevelled. Gnad T, et al. Mol Cancer, 2010 Feb 5. PMID 20137080.Inhibition of the Wnt/beta-catenin pathway by the WWOX tumor suppressor protein. Bouteille N, et al. Oncogene, 2009 Jul

16. PMID 19465938.Activation of the non-canonical Dvl-Rac1-JNK pathway by Frizzled homologue 10 in human synovial sarcoma. Fukukawa C, et al. Oncogene, 2009 Feb 26. PMID 19137009.Dishevelled family proteins are expressed in non-small cell lung cancer and function differentially on tumor progression. Wei Q, et al. Lung Cancer, 2008 Nov. PMID 18692936.Differential mediation of the Wnt canonical pathway by mammalian Dishevelleds-1, -2, and -3. Lee YN, et al. Cell Signal, 2008 Feb. PMID 18093802.

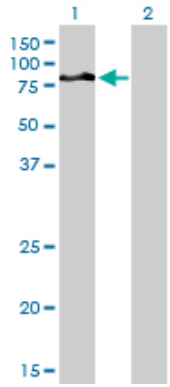
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .

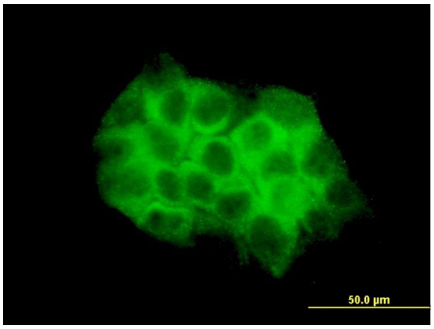


DVL3 monoclonal antibody (M04), clone 4H2 Western Blot analysis of DVL3 expression in A-431 ((Cat # AT1832a)



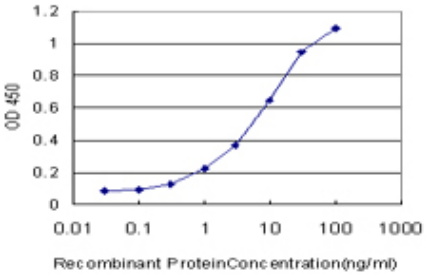
Western Blot analysis of DVL3 expression in transfected 293T cell line by DVL3 monoclonal antibody (M04), clone 4H2.

Lane 1: DVL3 transfected lysate(78 KDa).
Lane 2: Non-transfected lysate.

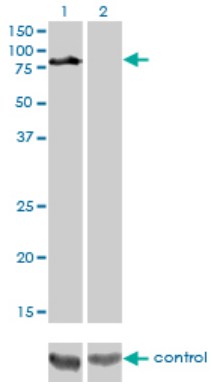


Immunofluorescence of monoclonal antibody to DVL3 on A-431 cell. [antibody concentration 10 ug/ml]

Detection limit for recombinant GST tagged DVL3 is



approximately 0.3ng/ml as a capture antibody.



Western blot analysis of DVL3 over-expressed 293 cell line, cotransfected with DVL3 Validated Chimera RNAi ((Cat # AT1832a)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.