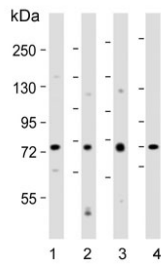
Dishevelled Antibody / DVL1 (F54235)

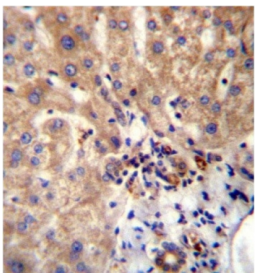
Catalog No.	Formulation	Size
F54235-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54235-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

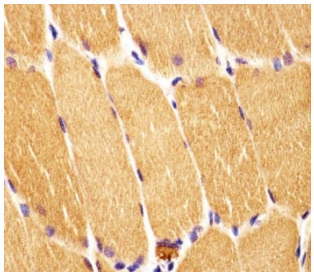
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	O14640
Gene ID	1855
Localization	Cytoplasmic
Applications	Western Blot : 1:1000-1:2000 Immunohistochemistry (FFPE) : 1:25-1:50 Immunofluorescence : 1:25
Limitations	This Dishevelled antibody is available for research use only.



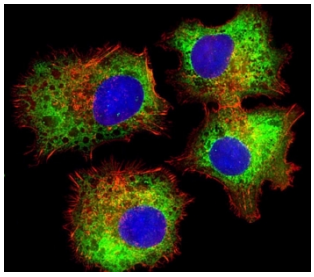
Western blot testing of human 1) K562, 2) MDA-MB-453, 3) PC-3 and 4) kidney lysate with Dishevelled antibody. Predicted molecular weight ~75 kDa.



IHC testing of FFPE human liver tissue with Dishevelled antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



IHC testing of FFPE human skeletal muscle tissue with Dishevelled antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of fixed and permeabilized human HepG2 cells with Dishevelled antibody (green), DAPI nuclear stain (blue) and anti-Actin (red).

Description

DVL1, the human homolog of the Drosophila dishevelled gene (dsh) encodes a cytoplasmic phosphoprotein that regulates cell proliferation, acting as a transducer molecule for developmental processes, including segmentation and neuroblast specification. DVL1 is a candidate gene for neuroblastomatous transformation. The Schwartz-Jampel syndrome and Charcot-Marie-Tooth disease type 2A have been mapped to the same region as DVL1. The phenotypes of these diseases may be consistent with defects which might be expected from aberrant expression of a DVL gene during development.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Dishevelled antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 442-470 from the human protein were used as the immunogen for the Dishevelled antibody.

Storage

Aliquot the Dishevelled antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.