



Anti-DVL1 (aa 1-110) polyclonal antibody (DPAB-DC797)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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.
Immunogen	DVL1 (NP_877580, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. The sequence is MAETKIIYHMDEEETPYLVKLPVAPERVTLADFKNVLSNRPVHAYKFFFKSMDQDFGVVK EEIFDDNAKLPCFNRRVSVWLVAEGAHS DAGSQGTDSHTDLPPPLERTG
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	DVL1 dishevelled segment polarity protein 1 [Homo sapiens (human)]
Official Symbol	DVL1
Synonyms	DVL1; dishevelled segment polarity protein 1; DVL; DVL1L1; DVL1P1; segment polarity protein dishevelled homolog DVL-1; DSH homolog 1; dishevelled-1; dishevelled, dsh homolog 1; dishevelled 1 (homologous to Drosophila dsh);
Entrez Gene ID	1855
Protein Refseq	NP_004412
UniProt ID	O14640
Chromosome Location	1p36
Pathway	Adipogenesis; Canonical Wnt signaling pathway; HTLV-I infection; Melanogenesis
Function	Rac GTPase binding; enzyme binding; frizzled binding; identical protein binding