

Human Dishevelled-3 Antibody

Antigen Affinity-purified Polyclonal Sheep IgG Catalog Number: AF3754

DESCRIPTION

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Species Reactivity	Human			
Specificity	Detects human Dishevelled-3 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 1% cross-reactivity with recombinant human Dishevelled-1 and recombinant human Dishevelled-2 is observed.			
Source	Polyclonal Sheep IgG			
Purification	Antigen Affinity-purified			
Immunogen	<i>E. coli</i> -derived recombinant human Dishevelled-3 His545-Gly654 Accession # Q92997			
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either Ivophilized or as a 0.2 μm filtered solution in PBS.			

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.				
	Recommended Concentration	Sample		
Western Blot	1 µg/mL	See Below		
Immunohistochemistry	5-15 μg/mL	Immersion fixed paraffin-embedded sections of human liver cancer tissue		

DATA

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- 6 -	A431	- 206	— Dishevelled-3	Detection of H Western Blot. Western Blot sh carcinoma cell line, and NIH-3 PVDF membran Sheep Anti-Hur purified Polyclo followed by HR Secondary Anti band was detec 97 kDa (as indi under reducing Group 1.			

Detection of Human and Mouse Dishevelled-3 by

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Western Blot.
Western blot shows lysates of A431 human epithelial
carcinoma cell line, A549 human lung carcinoma cell
line, and NIH-3T3 mouse embryonic fibroblast cell line.
PVDF membrane was probed with 1 µg/mL of
Sheep Anti-Human Dishevelled-3 Antigen Affinity-
purified Polyclonal Antibody (Catalog # AF3754)
followed by HRP-conjugated Anti-Sheep IgG
Secondary Antibody (Catalog # HAF016). A specific
band was detected for Dishevelled-3 at approximately
97 kDa (as indicated). This experiment was conducted
under reducing conditions and using Immunoblot Buffer
Group 1.
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PREPARATION AND STORAGE			
Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.		
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C		
Stability & Storage	 Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution. 		

BACKGROUND

Dishevelled-3 is one of three mammalian multi-moduled Dishevelled proteins that have important roles in the canonical and non-canonical Wnt pathways. Human Dishevelled-3 is a 716 amino acid residue protein with an N-terminal DIX domain, a central PZD domain, and a DEP domain. Over the region used as immunogen, human Dishevelled-3 shares 99% amino acid sequence homology with mouse and canine Dishevelled-3.

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