Datasheet for ABIN6991624

anti-DISP1 antibody (N-Term)

Go to Product page

Overview

Quantity:	0.1 mg
Target:	DISP1
Binding Specificity:	AA 20-70, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DISP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	DISP1 antibody was raised against a 16 amino acid synthetic peptide near the amino terminus of human DISP1. The immunogen is located within amino acids 20 - 70 of DISP1.
Isotype:	IgG
Specificity:	At least two isoforms of DISP1 are known to exist, this antibody will detect both isoforms. DISP1 antibody is predicted to not cross-react with EMX1.
Purification:	DISP1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	DISP1
Alternative Name:	DISP1 (DISP1 Products)

Target Details

Background:	DISP1 Antibody: DISP1 is the mammalian homolog of the Drosophila Dispatched segment-polarity gene and a key regulator of the Hedgehog (Hh) signaling pathway during embryonic development. DISP1 is required to move Shh from site of synthesis during embryogenesis, mutations in the gene result in lethality at mid-gestation and prevents specification of ventral cell types in the neural tube. Recent results have shown that DISP1 mediates the basolateral secretion of Shh and regulates growth of mammalian long bones through the control of Ihh.
Gene ID:	84976
NCBI Accession:	NP_116279
UniProt:	Q96F81
Pathways:	Hedgehog Signaling

Application Details

Application Notes:	DISP1 antibody can be used for detection of DISP1 by Western blot at 1 - 2 µ,g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µ,g/mL. For immunofluorescence start at 20 µ,g/mL. Antibody validated: Western Blot in mouse samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	DISP1 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,4 °C
Storage Comment:	DISP1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.