BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Protein dispatched homolog 1 DISP1 Antibody

Catalog Number: A11542

About DISP1

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.

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Overview

Product Name	Anti-Protein dispatched homolog 1 DISP1 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Protein dispatched homolog 1 DISP1 Antibody (Catalog # A11542). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	DISP1 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	DISP1 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q96F81

Technical Details

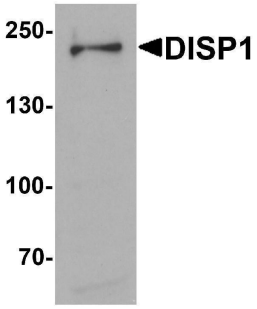
Immunogen	DISP1 antibody was raised against a 16 amino acid synthetic peptide near the amino terminus of human DISP1. The immunogen is located within amino acids 20 - 70 of DISP1.
Predicted Reactive Species	Rat
Cross Reactivity	At least two isoforms of DISP1 are known to exist; this antibody will detect both isoforms. DISP1 antibody is predicted to not cross-react with EMX1.

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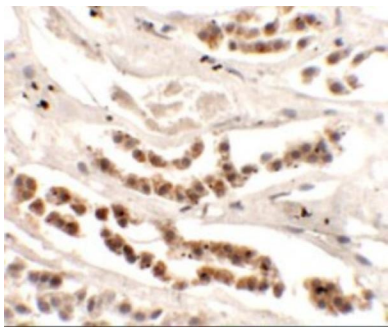
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	DISP1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	DISP1 antibody can be used for detection of DISP1 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/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. Optimal dilutions for each application should be determined by the researcher.

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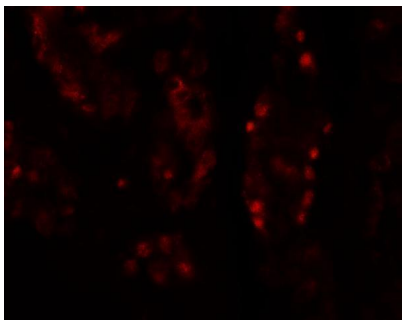
Anti-Protein dispatched homolog 1 DISP1 Antibody (A11542) Images



Western blot analysis of DISP1 in 3T3 cell lysate with DISP1 antibody at 1 ug/mL.



Immunohistochemistry of DISP1 in human kidney tissue with DISP1 antibody at 2.5 ug/mL.



Immunofluorescence of DISP1 in human kidney tissue with DISP1 antibody at 20 ug/mL.

Anti-Protein dispatched homolog 1 DISP1 Antibody

For Research Use Only. Not for use in diagnostic procedures.