

Anti-WNT5 WNT5B Antibody

Catalog Number: A05836

About WNT5B

WNT5A and WNT5B are near-identical members of the WNT gene family, which consists of structurally related genes which encode secreted signaling proteins that have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis (1,2). WNT5A and WNT5B coordinate chondrocyte proliferation and differentiation by differentially regulating cyclin D1 and p130 expression, as well as chondrocyte-specific Col2a1 expression (3). Up-regulation of WNT5A and WNT5B has been observed in several types of human cancers, suggesting that they may be useful as diagnostic markers or potent therapeutic targets (4).

Overview

Product Name	Anti-WNT5 WNT5B Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-WNT5 WNT5B Antibody (Catalog # A05836). Tested in ELISA, WB, IHC-P applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IHC-P, WB
Clonality	Polyclonal
Formulation	WNT5 antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	WNT5 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q9H1J7

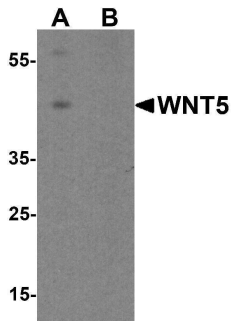
Technical Details

Immunogen	WNT5 antibody was raised against a 15 amino acid peptide near the center of human WNT5B. The immunogen is located within amino acids 130 - 180 of WNT5.
Predicted Reactive Species	Rabbit
Cross Reactivity	WNT5 antibody is human, mouse and rat reactive. WNT5 antibody will detect both WNT5A and WNT5B. At least two isoforms of WNT5B are known to exist; this antibody will detect both isoforms.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	WNT5 antibody is affinity chromatography purified via peptide column.

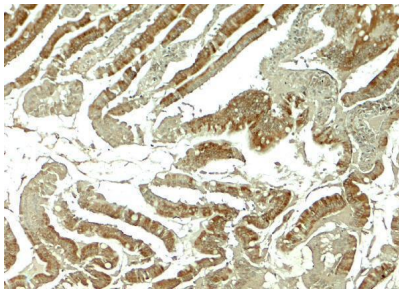
Suggested Dilutions

WNT5 antibody can be used for detection of WNT5 by Western blot at 1 - 2 ug/ml. For immunofluorescence start at 20 ug/mL.
Antibody validated: Western Blot in human samples and Immunohistochemistry in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-WNT5 WNT5B Antibody (A05836) Images



Western blot analysis of WNT5 in Jurkat cell lysate with WNT5 antibody at 1 ug/ml in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of WNT5 in rat colon tissue with WNT5 antibody at 5 ug/mL.

1 Publications Citing This Product

1. PubMed ID: 32018039, Chen G,Wang Q,Li Z,Yang Q,Liu Y,Du Z,Zhang G,Song Y.Circular RNA CDR1as promotes adipogenic and suppresses osteogenic differentiation of BMSCs in steroid-induced osteonecrosis of the femoral head.Bone.2020 Apr;133:115258.doi:10.1016/j.bone.2020.115258.Epu

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