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Datasheet for ABIN6992093 **anti-WNT5B antibody (AA 130-180)**

Overview

Quantity:	0.1 mg
Target:	WNT5B
Binding Specificity:	AA 130-180
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WNT5B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product 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.
Isotype:	IgG
Specificity:	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.
Purification:	WNT5 antibody is affinity chromatography purified via peptide column.

Target Details

Target:	WNT5B
Alternative Name:	WNT5 (WNT5B Products)

Target Details

Background:	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).
Molecular Weight:	Predicted: 39 kDa Observed: 465 kDa
Gene ID:	81029
NCBI Accession:	NP_110402
UniProt:	Q9H1J7
Pathways:	WNT Signaling , Embryonic Body Morphogenesis , Positive Regulation of fat Cell Differentiation

Application Details

Application Notes:	WNT5 antibody can be used for detection of WNT5 by Western blot at 1 - 2 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in human samples and Immunohistochemistry in rat samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	WNT5 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.

Handling

Storage: -20 °C, 4 °C

Storage Comment: WNT5 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.