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Datasheet for ABIN969460

anti-WNT5A antibody

3 Images

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Overview

Quantity:	100 µL
Target:	WNT5A
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This WNT5A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of WNT5A expressed in E. coli.
Clone:	6F2
Isotype:	IgG1
Purification:	purified

Target Details

Target:	WNT5A
Alternative Name:	WNT5A (WNT5A Products)
Background:	Description: WNT5A: wingless-type MMTV integration site family, member 5A. Entrez Protein: NP_003383. The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during

Target Details

embryogenesis. This gene is a member of the WNT gene family. It encodes a protein which shows 98 % , 98 % and 87 % amino acid identity to the mouse, rat and the xenopus Wnt5A protein, respectively. The experiments performed in *Xenopus laevis* embryos identified that human frizzled-5 (hFz5) is the receptor for the Wnt5A ligand and the Wnt5A/hFz5 signaling mediates axis induction.

Aliases: hWNT5A

Molecular Weight: 42.3 kDa

Gene ID: 7474

HGNC: 7474

Pathways: [WNT Signaling](#), [Cellular Response to Molecule of Bacterial Origin](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Regulation of Cell Size](#), [Tube Formation](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

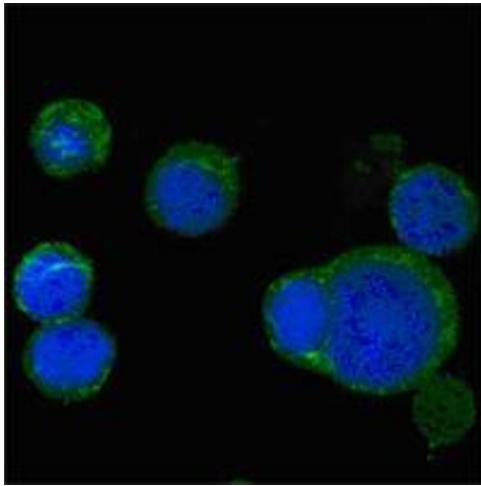
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

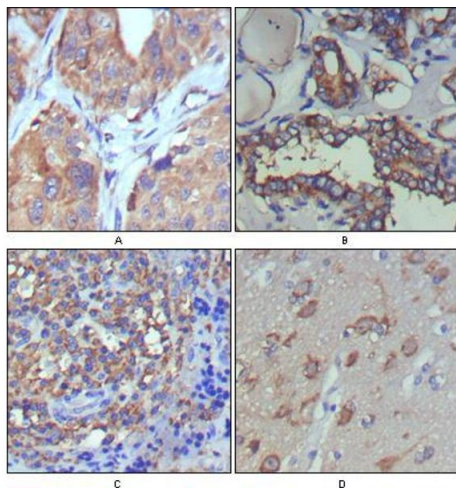
Publications

Product cited in: Wang, Wu, Zhou, Guo, Zheng, Wang, Bi, Liu, Zhou, Guo, Sha: "Mapping of the N-linked glycoproteome of human spermatozoa." in: **Journal of proteome research**, Vol. 12, Issue 12, pp. 5750-9, (2013) ([PubMed](#)).



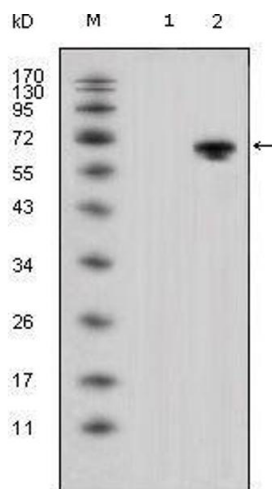
Immunofluorescence

Image 1. Confocal immunofluorescence analysis of PC-12 cells using WNT5A mouse mAb (green), showing cytoplasmic localization. Blue: DRAQ5 fluorescent DNA dye.



Immunohistochemistry

Image 2. Immunohistochemical analysis of paraffin-embedded human lung cancer (A), thyroid cancer (B), lymph node (C) and brain (D) showing cytoplasmic and extracellular matrix localization using WNT5A mouse mAb with DAB staining.



Western Blotting

Image 3. Western blot analysis using WNT5A mouse mAb against HEK2993 (1) and WNT5A-hlgGfc transfected HEK2993 cell lysate (2).