
Product Name: WNT5A Mouse Monoclonal Antibody**Catalog #: AMM80725**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC,ICC,ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	42.3kDa

Antigen Information

Gene Name	WNT5A
Alternative Names	hWNT5A
Gene ID	7474.0
SwissProt ID	P41221
Immunogen	Purified recombinant fragment of WNT5A expressed in E. Coli.

Background

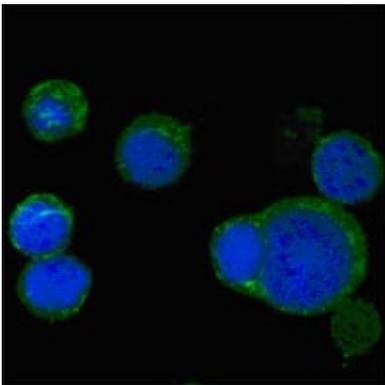
WNT5A: wingless-type MMTV integration site family, member 5A. Entrez Protein: NP_003383. The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation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

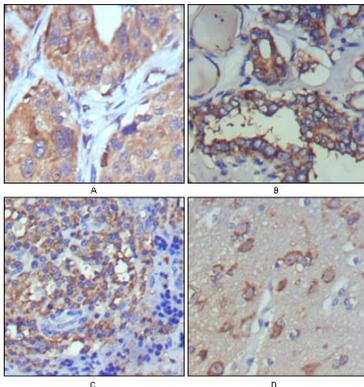
Research Area

Wnt signaling pathway

Image Data



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



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.