

**产品名称: WNT5A Mouse Monoclonal Antibody**  
**产品货号: AMM80725**



## 产品概述 (Summary)

|                        |                                 |
|------------------------|---------------------------------|
| 产品名称 (Production Name) | WNT5A Mouse Monoclonal Antibody |
| 描述 (Description)       | Mouse monoclonal Antibody       |
| 宿主 (Host)              | Mouse                           |
| 应用 (Application)       | IHC,ICC,ELISA                   |
| 种属反应性 (Reactivity)     | Human                           |

## 产品性能 (Performance)

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                             |
| 修饰 (Modification)   | Unmodified                                                                               |
| 同种型 (Isotype)       | Mouse IgG1                                                                               |
| 克隆 (Clonality)      | Monoclonal                                                                               |
| 形式 (Form)           | Liquid                                                                                   |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| 储存溶液 (Buffer)       | Purified antibody in PBS with 0.05% sodium azide.                                        |
| 纯化方式 (Purification) | Affinity Purification                                                                    |

## 免疫原信息 (Immunogen)

|                        |                                                                     |
|------------------------|---------------------------------------------------------------------|
| 基因名 (Gene Name)        | WNT5A                                                               |
| 别名 (Alternative Names) | hWNT5A                                                              |
| 基因 ID (Gene ID)        | 7474.0                                                              |
| 蛋白 ID (SwissProt ID)   | P41221.Purified recombinant fragment of WNT5A expressed in E. Coli. |

## 产品应用 (Application)

|                          |                                                        |
|--------------------------|--------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000 |
| 蛋白分子量 (Molecular Weight) | 42.3kDa                                                |

## 研究背景 (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

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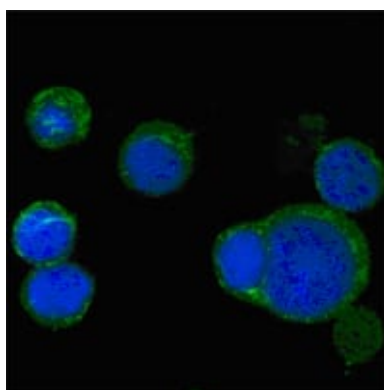


oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It encodes a protein which shows 98%, 98% and 87% amino acid identity to the mouse, rat and the xenopus Wnt5A protein, respectively. 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.

## 研究领域 (Research Area)

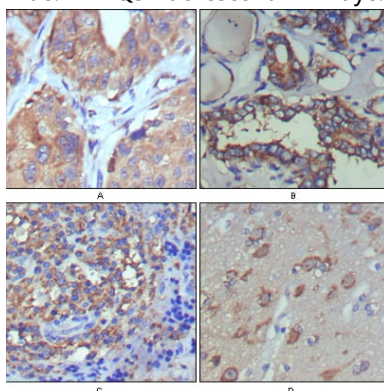
Wnt signaling pathway

## 图片 (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.

## 注意事项 (Note)

For research use only .