

# WNT5A Rabbit mAb

Catalog No.: A19133

Recombinant

10 Publications

## Basic Information

### Observed MW

42kDa

### Calculated MW

42kDa

### Category

Primary antibody

### Applications

WB,IHC-P,ELISA

### Cross-Reactivity

Human

### CloneNo number

ARC0405

## Background

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 encodes a member of the WNT family that signals through both the canonical and non-canonical WNT pathways. This protein is a ligand for the seven transmembrane receptor frizzled-5 and the tyrosine kinase orphan receptor 2. This protein plays an essential role in regulating developmental pathways during embryogenesis. This protein may also play a role in oncogenesis. Mutations in this gene are the cause of autosomal dominant Robinow syndrome. Alternate splicing results in multiple transcript variants.

## Recommended Dilutions

**WB** 1:1000 - 1:6000

**IHC-P** 1:100 - 1:1000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

7474

### Swiss Prot

P41221

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

hWNT5A; WNT5A

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

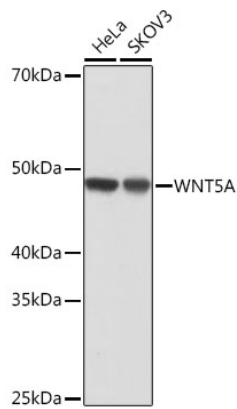
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

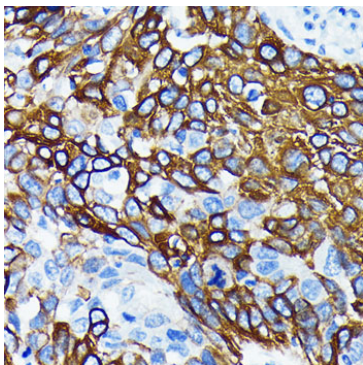
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data

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Western blot analysis of various lysates using WNT5A Rabbit mAb (A19133) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 $\mu$ g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 10s.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using WNT5A Rabbit mAb (A19133) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.