

For Research Use Only

# WNT5A/B Polyclonal antibody

Catalog Number: 55184-1-AP

Featured Product

61 Publications



## Basic Information

**Catalog Number:**

55184-1-AP

**Concentration:**

260 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_003392

**GeneID (NCBI):**

7474

**UNIPROT ID:**

P41221

**Full Name:**

wingless-type MMTV integration site family, member 5A

**Calculated MW:**

42 kDa

**Observed MW:**

38 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:3000

IHC 1:50-1:500

## Applications

**Tested Applications:**

WB, IHC, ELISA

**Cited Applications:**

WB, IHC, IF, IP, RIP

**Species Specificity:**

human, mouse

**Cited Species:**

human, mouse, rat, chicken, zebrafish

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB: mouse heart tissue, HUVEC cells, PC-3 cells

IHC: human lung cancer tissue, human thyroid cancer tissue, human tonsillitis tissue, mouse heart tissue

## Background Information

The WNT gene family consists of structurally related genes which encode secreted signaling proteins. There are 19 Wnt genes in the human genome that encode functionally distinct Wnt proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. Wnt members bind to the Frizzled family of seven-pass transmembrane proteins and activate several signaling pathway. Wnt5A is a member of the Wnt family of proteins, which are 38-45 kDa secreted cysteine-rich proteins with hydrophobic signal peptides. This antibody can recognize WNT5A and WNT5B.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ranran Sun	33008587	Biochem Biophys Res Commun	WB
Moyuan Deng	34621738	Front Cell Dev Biol	WB
Xiaojin Liu	36193135	Evid Based Complement Alternat Med	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

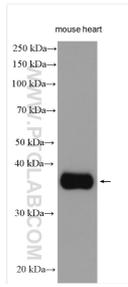
T: 4006900926

E: Proteintech-CN@ptglab.com

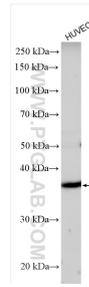
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

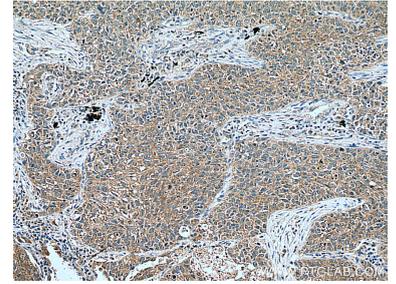
## Selected Validation Data



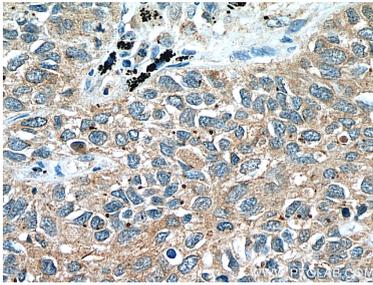
mouse heart tissue were subjected to SDS PAGE followed by western blot with 55184-1-AP (WNT5A/B antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



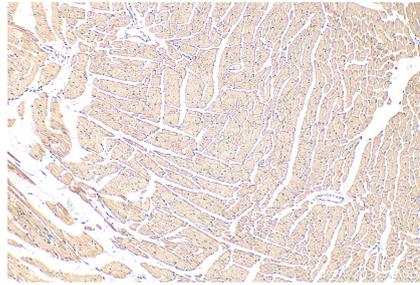
HUVEC cells were subjected to SDS PAGE followed by western blot with 55184-1-AP (WNT5A/B antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 55184-1-AP (WNT5A/B antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 55184-1-AP (WNT5A/B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 55184-1-AP (WNT5A/B antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).