

For Research Use Only

WNT5A/B Polyclonal antibody

Catalog Number: 55184-1-AP

Featured Product

61 Publications



Basic Information

Catalog Number:

55184-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

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

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

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

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

*** 20ul sizes contain 0.1% BSA

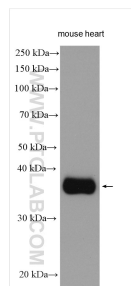
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

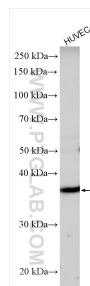
E: proteintech@ptglab.com
W: ptglab.com

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

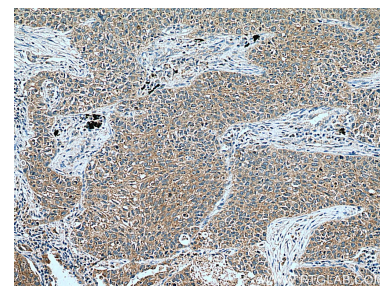
Selected Validation Data



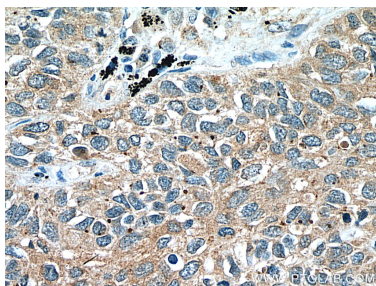
mouse heart tissue were subjected to SDS PAGE followed by western blot with 55184-1-AP (WNT5A/B antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



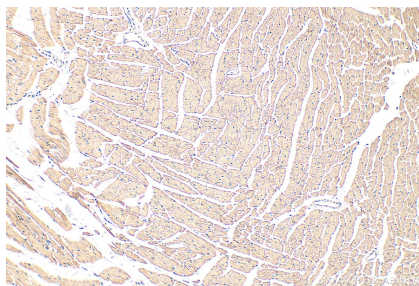
HUVEC cells were subjected to SDS PAGE followed by western blot with 55184-1-AP (WNT5A/B antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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).