

For Research Use Only

WNT7A/B Polyclonal antibody

Catalog Number: 10605-1-AP **9 Publications**



Basic Information

Catalog Number:

10605-1-AP

Size:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0874

GenBank Accession Number:

BC008811

GeneID (NCBI):

7476

UNIPROT ID:

O00755

Full Name:

wingless-type MMTV integration site family, member 7A

Calculated MW:

39 kDa

Observed MW:

35-39 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

FC, IF, IHC, IP, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB: mouse kidney tissue, mouse liver tissue

IP: mouse kidney tissue,

Background Information

The Wnt gene family encodes secreted signaling molecules that bind to frizzled receptors and influence oncogenesis and developmental processes, including regulation of cell fate and patterning during embryogenesis. Wnt7a is normally expressed in several organs, including the lung, testis, lymph node, and brain. As an oncogenic autocrine glycoprotein, Wnt7a promotes tumor invasion and distant metastasis with cancer-associated fibroblasts. Wnt7b is required for endothelial cells derived from pluripotent stem cells to acquire blood-brain barrier properties and may play an important role in the development of myopia in humans. This antibody can both recognize WNT7A and WNT7B.

Notable Publications

Author	Pubmed ID	Journal	Application
Li Yao	34798170	Behav Brain Res	WB
Hwa-Ryeon Kim	34316710	NAR Cancer	WB
Bo Jia	30747225	Oncol Rep	WB,IHC

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:

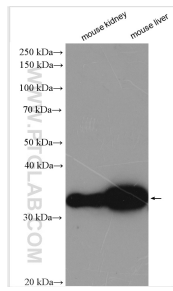
T: 4006900926

E: Proteintech-CN@ptglab.com

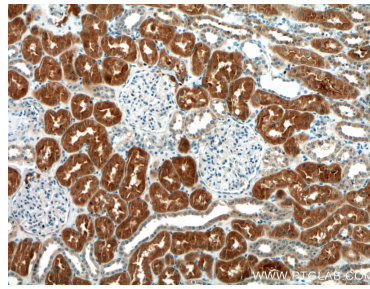
W: ptgcn.com

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

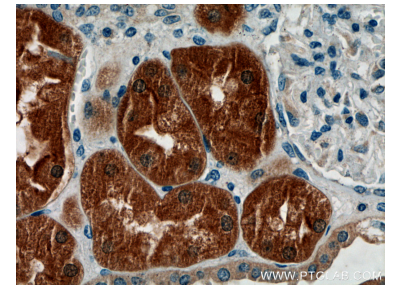
Selected Validation Data



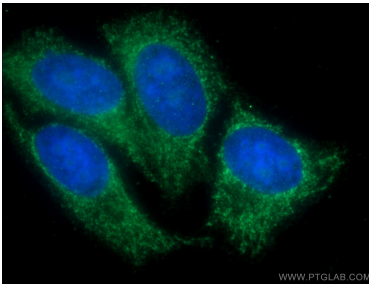
Various lysates were subjected to SDS PAGE followed by western blot with 10605-1-AP (WNT7A/B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



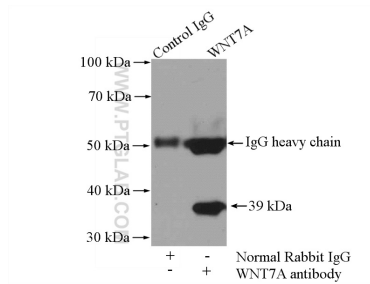
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 10605-1-AP (WNT7A antibody) at dilution of 1:200 (under 10x lens).



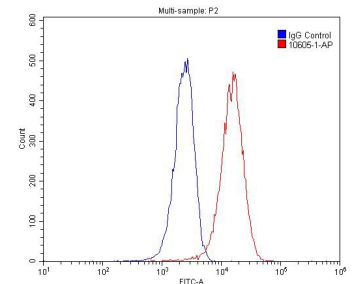
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 10605-1-AP (WNT7A antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 10605-1-AP (WNT7A antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-WNT7A (IP:10605-1-AP, 4ug; Detection:10605-1-AP 1:300) with mouse kidney tissue lysate 4000ug.



1×10^6 HepG2 cells were stained with 0.2ug WNT7A antibody (10605-1-AP, red) and control antibody (blue). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500. Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100.