

For Research Use Only

WNT7A/B Polyclonal antibody

Catalog Number: 10605-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number:

10605-1-AP

Size:

150ul, Concentration: 750 ug/ml by Nanodrop;

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:

30-39 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

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 kidney tissue, mouse liver tissue

IP: mouse kidney tissue,

IHC: mouse placenta tissue,

IF/ICC: HepG2 cells,

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

*** 20ul sizes contain 0.1% BSA

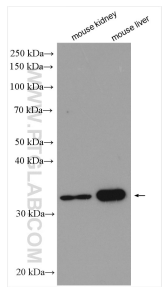
For technical support and original validation data for this product please contact:

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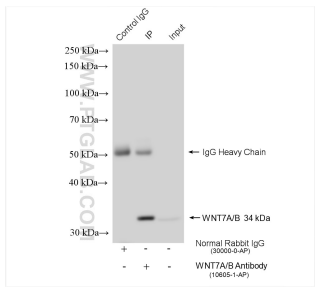
E: proteintech@ptglab.com
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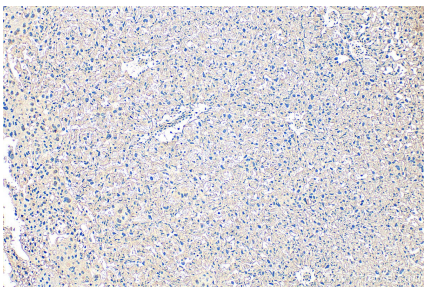
Selected Validation Data



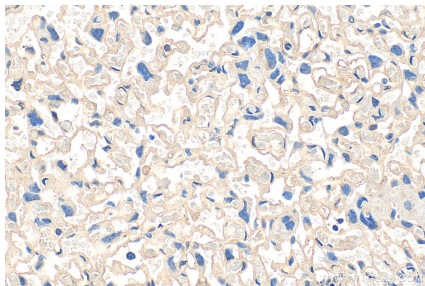
Various lysates were subjected to SDS PAGE followed by western blot with 10605-1-AP (WNT7A/B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-WNT7A (IP:10605-1-AP, 4ug; Detection:10605-1-AP 1:4000) with mouse kidney tissue lysate 2280 ug.



Immunohistochemical analysis of paraffin-embedded mouse placenta tissue slide using 10605-1-AP (WNT7A/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 mouse placenta tissue slide using 10605-1-AP (WNT7A/B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using WNT7A antibody (10605-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).