

For Research Use Only

WNT4 Polyclonal antibody

Catalog Number: 14371-1-AP

10 Publications



Basic Information

Catalog Number:

14371-1-AP

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5741

GenBank Accession Number:

BC057781

GeneID (NCBI):

54361

UNIPROT ID:

P56705

Full Name:

wingless-type MMTV integration site family, member 4

Calculated MW:

39 kDa

Observed MW:

39-45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

Positive Controls:

IHC : human kidney tissue, human hepatocirrhosis tissue, mouse kidney tissue

IF/ICC : MCF-7 cells, HeLa cells

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

WNT4 belongs to the Wnt family. WNT4 is critical for embryonic organogenesis, but later plays a unique role among Wnt proteins in the development and maintenance of müllerian and reproductive tissues (PMID: 33963381). The mesenchymal stem cells can improve cardiac function after cardiac injury by regulating endothelial cells via the Wnt4/ β -catenin signaling pathway (PMID: 20551912). WNT4 may be modified by glycosylation, leading to an increase in molecular weight.

Notable Publications

Author	Pubmed ID	Journal	Application
Alison M Neff	31748790	Endocrinology	WB
Yu Li L	23784673	Neurochem Res	IHC
Bing Cao	35227255	BMC Complement Med Ther	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

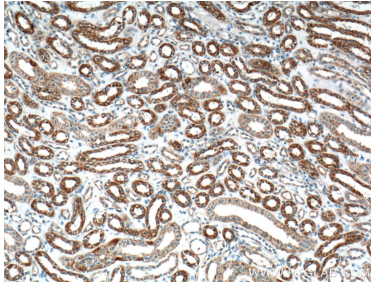
For technical support and original validation data for this product please contact:

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

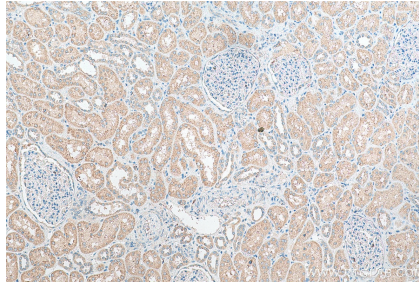
E: proteintech@ptglab.com
W: ptglab.com

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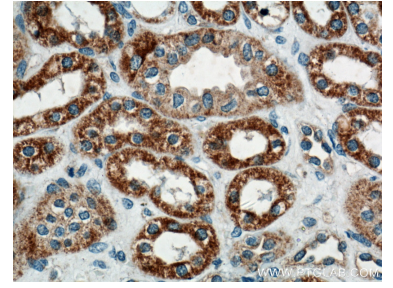
Selected Validation Data



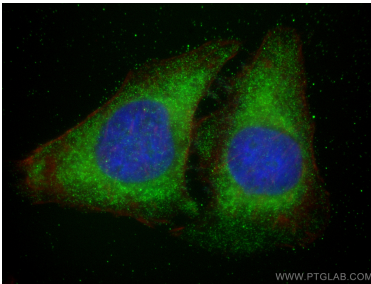
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 14371-1-AP (WNT4 antibody) at dilution of 1:200 (under 10x lens).



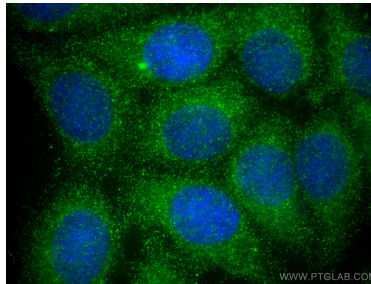
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 14371-1-AP (WNT4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 14371-1-AP (WNT4 antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using WNT4 antibody (14371-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using WNT4 antibody (14371-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).