

For Research Use Only

# WNT4 Polyclonal antibody

Catalog Number: 14371-1-AP **7 Publications**



## Basic Information

**Catalog Number:**

14371-1-AP

**Size:**

400 µg/ml

**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:**

WB 1:500-1:2000

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, WB, ELISA

**Cited Applications:**

WB, IF, IHC

**Species Specificity:**

human, mouse

**Cited Species:**

human, rat, mouse

**Positive Controls:**

WB: MCF-7 cells,

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

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

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

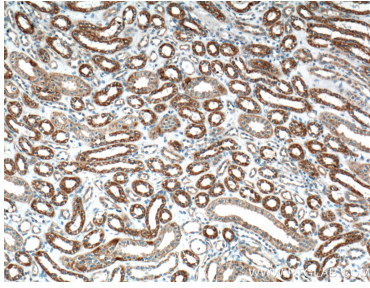
T: 4006900926

E: Proteintech-CN@ptglab.com

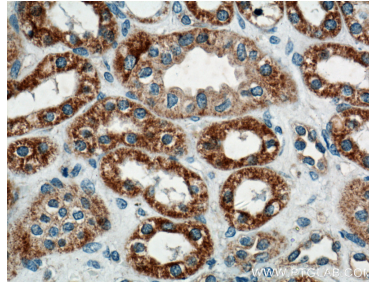
W: ptgcn.com

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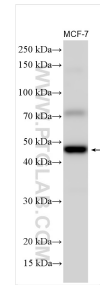
## Selected Validation Data



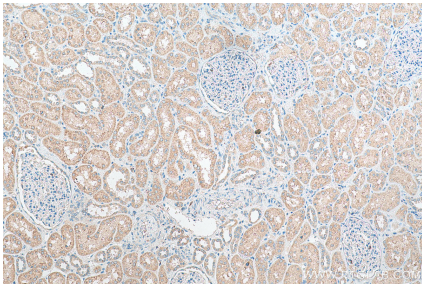
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 14371-1-AP (WNT4 antibody) at dilution of 1:200 (under 10x lens).



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



MCF-7 cells were subjected to SDS PAGE followed by western blot with 14371-1-AP (WNT4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).