

For Research Use Only

# WNT4 Polyclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 14371-1-AP	<b>GenBank Accession Number:</b> BC057781	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 54361	<b>Recommended Dilutions:</b> IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> wingless-type MMTV integration site family, member 4	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 39 kDa	
<b>Immunogen Catalog Number:</b> AG5741	<b>Observed MW:</b> 39-45 kDa	

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC : human kidney tissue, human hepatocirrhosis tissue, mouse kidney tissue
<b>Cited Applications:</b> IF, IHC, WB	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, rat, mouse	

**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

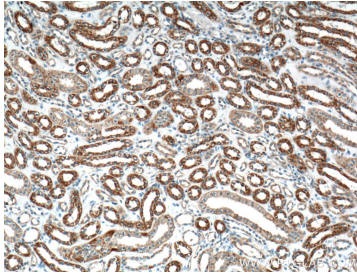
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

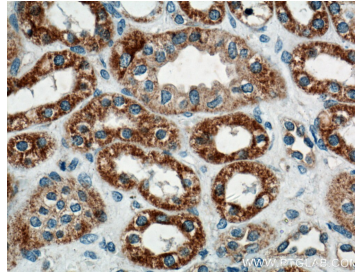
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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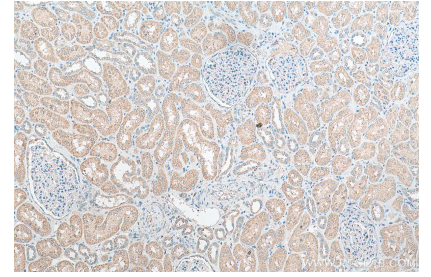
## Selected Validation Data



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 40x 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).