

For Research Use Only

# HNF4G Polyclonal antibody

Catalog Number: 25801-1-AP

Featured Product

6 Publications



## Basic Information

<b>Catalog Number:</b> 25801-1-AP	<b>GenBank Accession Number:</b> BC105009	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 1000 µg/ml by Nanodrop and 467 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3174	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> hepatocyte nuclear factor 4, gamma	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 445 aa, 46 kDa	
<b>Immunogen Catalog Number:</b> AG22848	<b>Observed MW:</b> 46 kDa	

## Applications

<b>Tested Applications:</b> FC, WB, ELISA	<b>Positive Controls:</b> WB : mouse pancreas tissue, mouse kidney tissue
<b>Cited Applications:</b> ChIP, IHC, WB	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, mouse	

## Background Information

HNF4 (hepatocyte nuclear factor 4) is a nuclear receptor protein that has a critical role in hepatocyte differentiation and function (PMID: 12774000). Two isoforms of human HNF4 exist, HNF4-alpha and HNF4-gamma, which are encoded by two separate genes HNF4A and HNF4G respectively (PMID: 7926813). HNF4-gamma has a lower transcription activation potential than HNF4-alpha. HNF4-gamma is expressed in kidney, gut, pancreas, and testis (PMID: 16945327). It has been reported to be involved in cancer progression (PMID: 23896584). This polyclonal antibody is raised against C-terminal 82 amino acids of human HNF4-gamma.

## Notable Publications

Author	Pubmed ID	Journal	Application
Shipra Shukla	29153843	Cancer Cell	ChIP
Chengcheng Wang	32737864	Protein Cell	WB, IHC
Yahui Huang	32613480	Clin Exp Metastasis	ChIP

## Storage

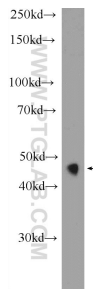
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

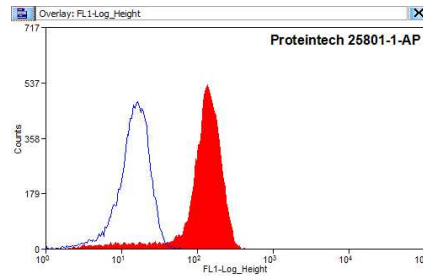
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



mouse pancreas tissue were subjected to SDS PAGE followed by western blot with 25801-1-AP (HNF4G Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



1X10<sup>6</sup> HEK-293 cells were stained with 0.2ug HNF4G antibody (25801-1-AP, red) and control antibody (blue). Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100. Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.