

For Research Use Only

HNF4G Polyclonal antibody

Catalog Number: 25801-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number: 25801-1-AP	GenBank Accession Number: BC105009	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 1000 ug/ml by Nanodrop and 467 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3174	Recommended Dilutions: WB 1:500-1:1000 IHC 1:4000-1:16000
Source: Rabbit	UNIPROT ID: Q14541	
Isotype: IgG	Full Name: hepatocyte nuclear factor 4, gamma	
Immunogen Catalog Number: AG22848	Calculated MW: 445 aa, 46 kDa	
	Observed MW: 46 kDa	

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IHC, IF, ChIP

Species Specificity:
human, mouse

Cited Species:
human, mouse

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 pancreas tissue, mouse kidney tissue

IHC: rat small intestine tissue, mouse small intestine tissue, human stomach cancer tissue

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

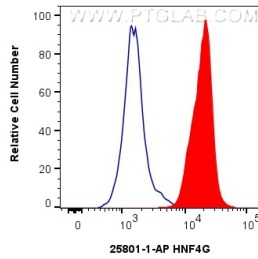
For technical support and original validation data for this product please contact:

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

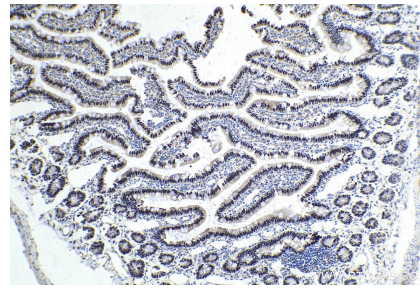
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

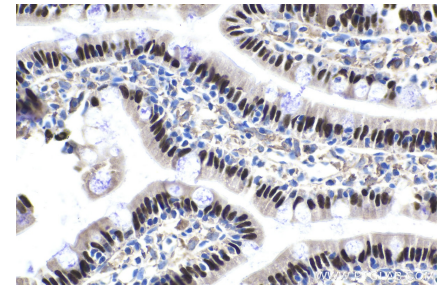
Selected Validation Data



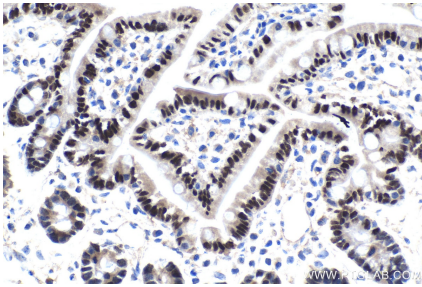
1x10⁶ HEK-293 cells were intracellularly stained with 0.25 ug HNF4G Polyclonal antibody (25801-1-AP) and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunohistochemical analysis of paraffin-embedded rat small intestine tissue slide using 25801-1-AP (HNF4G antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



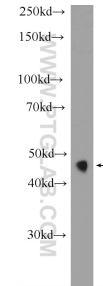
Immunohistochemical analysis of paraffin-embedded rat small intestine tissue slide using 25801-1-AP (HNF4G antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 25801-1-AP (HNF4G antibody) at dilution of 1:16000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 25801-1-AP (HNF4G antibody) at dilution of 1:16000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.