

For Research Use Only

HNF4A Polyclonal antibody

Catalog Number: 26245-1-AP

3 Publications



Basic Information

Catalog Number: 26245-1-AP	GenBank Accession Number: BC137539	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 3172	Recommended Dilutions: WB 1:2000-1:12000 IHC 1:600-1:2400
Source: Rabbit	UNIPROT ID: P41235	
Isotype: IgG	Full Name: hepatocyte nuclear factor 4, alpha	
Immunogen Catalog Number: AG24637	Calculated MW: 53 kDa	
	Observed MW: 52 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB, IF	WB : HepG2 cells,
Species Specificity: human	IHC : human colon cancer tissue,
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**

Background Information

HNF4A (Hepatocyte nuclear factor 4 α) is highly conserved between humans and mice. Using conditional knockouts, epithelial HNF4A is indispensable for protecting against acute chemical-induced colitis and spontaneous colonic inflammation in aged animals (PMID:35792863). Moreover, reduced expression of HNF4A has been reported in liver fibrosis and viral vector-mediated HNF4A restoration has previously been demonstrated to reverse features of chronic liver injury. Therefore, HNF4A has been suggested as a therapeutic target for the treatment of liver fibrosis (PMID:34453962).

Notable Publications

Author	Pubmed ID	Journal	Application
Qiqiang Zhang	33228635	BMC Complement Med Ther	WB
Xuesong Wang	39656437	J Cell Mol Med	WB
Shantong Qiu	39072875	FASEB J	WB,IF

Storage

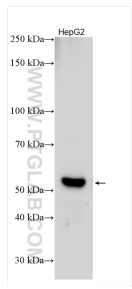
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

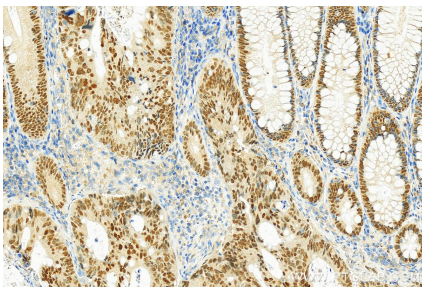
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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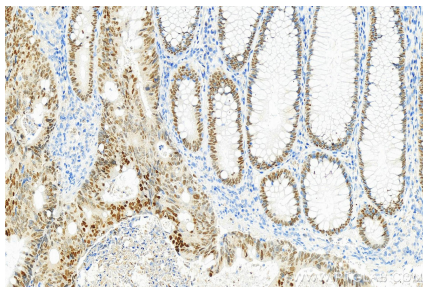
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 26245-1-AP (HNF 4A antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded colon cancer slide using 26245-1-AP (HNF4A antibody) at dilution of 1:1200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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