

For Research Use Only

HNF4A Polyclonal antibody

Catalog Number: 26245-1-AP

3 Publications



Basic Information

Catalog Number:

26245-1-AP

Size:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24637

GenBank Accession Number:

BC137539

GeneID (NCBI):

3172

UNIPROT ID:

P41235

Full Name:

hepatocyte nuclear factor 4, alpha

Calculated MW:

53 kDa

Observed MW:

52 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:12000

IHC 1:600-1:2400

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

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 : HepG2 cells,

IHC : human colon cancer tissue,

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

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

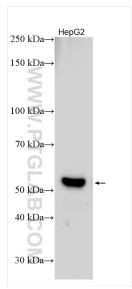
T: 4006900926

E: Proteintech-CN@ptglab.com

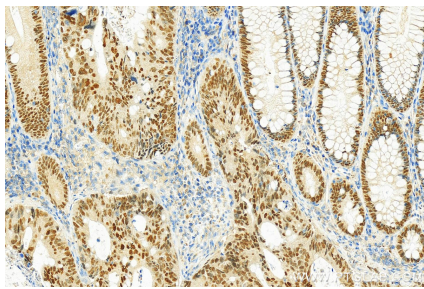
W: ptgcn.com

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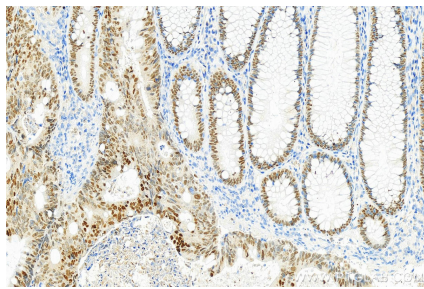
Selected Validation Data



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).



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).