

For Research Use Only

# HNF4A Polyclonal antibody, PBS Only

Catalog Number: 26245-1-PBS



## Basic Information

<b>Catalog Number:</b> 26245-1-PBS	<b>GenBank Accession Number:</b> BC137539	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug, Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3172	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P41235	
<b>Isotype:</b> IgG	<b>Full Name:</b> hepatocyte nuclear factor 4, alpha	
<b>Immunogen Catalog Number:</b> AG24637	<b>Calculated MW:</b> 53 kDa	
	<b>Observed MW:</b> 52 kDa	

## Applications

**Tested Applications:**  
WB, IHC, ELISA

**Species Specificity:**  
human

## Background Information

HNF4A (Hepatocyte nuclear factor 4 a) 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).

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

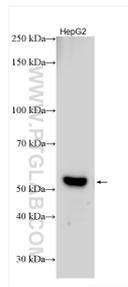
For technical support and original validation data for this product please contact:

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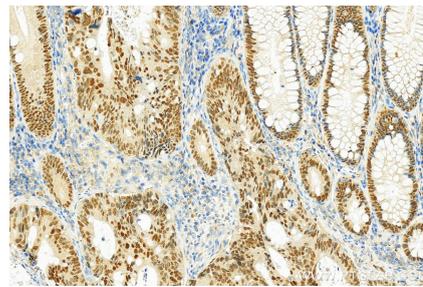
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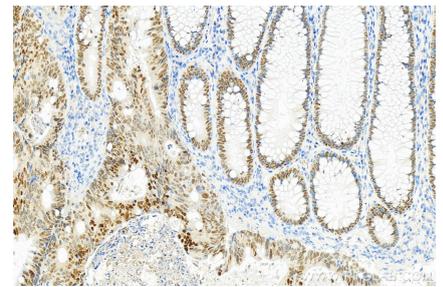
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 26245-1-AP (HNF4A antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 26245-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 26245-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 26245-1-PBS in a different storage buffer formulation.