

For Research Use Only

HNF4A Recombinant antibody, PBS Only

Catalog Number: 84316-7-PBS



Basic Information

Catalog Number: 84316-7-PBS	GenBank Accession Number: BC137539	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 3172	CloneNo.: 241593A2
Source: Rabbit	UNIPROT ID: P41235	
Isotype: IgG	Full Name: hepatocyte nuclear factor 4, alpha	
Immunogen Catalog Number: AG24647	Calculated MW: 53 kDa	

Applications

Tested Applications:
IF/ICC, Indirect ELISA
Species Specificity:
human

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).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

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

T: 4006900926

E: Proteintech-CN@ptglab.com

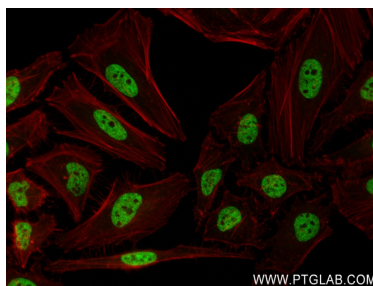
W: ptgcn.com

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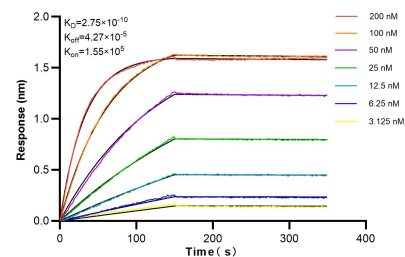
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using HNF4A antibody (84316-7-RR, Clone: 241593A2) at dilution of 1:100 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84316-7-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HNF4A antibody (84316-7-RR, Clone: 241593A2) at dilution of 1:100 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84316-7-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84316-7-RR against Human HNF4A were performed. The affinity constant is 0.275 nM.