

For Research Use Only

HNF4A Recombinant antibody, PBS Only (Detector)

Catalog Number: 84316-3-PBS



Basic Information

Catalog Number: 84316-3-PBS	GenBank Accession Number: BC137539	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3172	CloneNo.: 241593C4
Source: Rabbit	UNIPROT ID: P41235	
Isotype: IgG	Full Name: hepatocyte nuclear factor 4, alpha	
Immunogen Catalog Number: AG24647	Calculated MW: 53 kDa	
	Observed MW: 56 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

84316-3-PBS targets HNF4A as part of a matched antibody pair:

MP01183-3: 84316-2-PBS capture and 84316-3-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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 treating liver fibrosis (PMID:34453962).

Storage

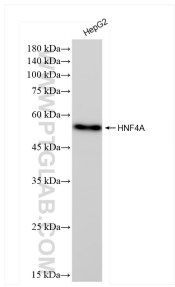
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

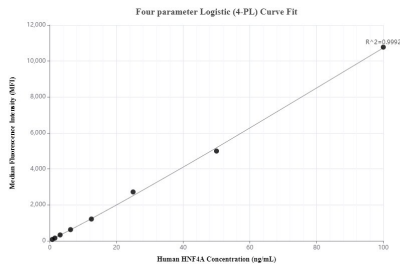
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 84316-3-RR (HNF4A antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84316-3-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01183-3, HNF4A Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84316-2-PBS. Detection antibody: 84316-3-PBS. Standard: Ag24647. Range: 0.781-100 ng/mL.