

For Research Use Only

NR1H4 Recombinant antibody, PBS Only

Catalog Number: 81820-2-PBS

Featured Product



Basic Information

Catalog Number: 81820-2-PBS	GenBank Accession Number: BC130573	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 9971	CloneNo.: 4B4
Source: Rabbit	UNIPROT ID: Q96RI1	
Isotype: IgG	Full Name: nuclear receptor subfamily 1, group H, member 4	
Immunogen Catalog Number: AG21948	Calculated MW: 486 aa, 56 kDa	
	Observed MW: 48 kDa	

Applications

Tested Applications:
WB, FC (Intra), Indirect ELISA

Species Specificity:
human

Background Information

Nuclear Receptor subfamily 1, group H, member 4 (NR1H4, also known as FXR) is a receptor for bile acids and has an important role in regulating energy metabolism in liver, muscle and adipose tissues in humans and animals. NR1H4 is highly expressed in liver and has a role in lipid metabolism, whereas none of the other protein-coding genes in the region has known biological links with cholesterol, further supporting a role for NR1H4 in regulation of cholesterol levels. NR1H4 have four isoforms, i.e., FXRalpha1, FXRalpha2, FXRbeta1, and FXRbeta2, and each isoform has a different expressional level and transcriptional activity depending on its location within specific tissues. (PMID: 14733360, PMID: 30787420)

Storage

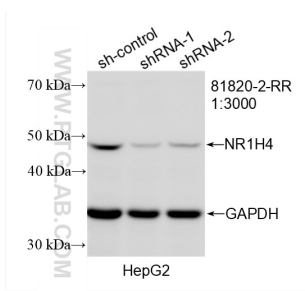
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

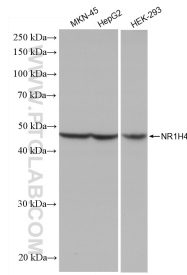
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

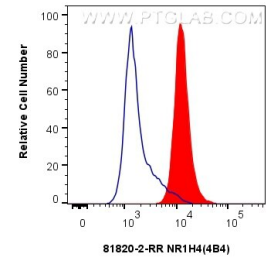
Selected Validation Data



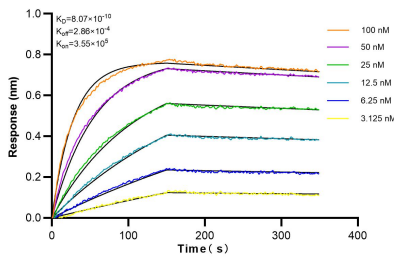
WB result of NR1H4 antibody (81820-2-RR; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NR1H4 transfected HepG2 cells. This data was developed using the same antibody clone with 81820-2-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 81820-2-RR (NR1H4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81820-2-PBS in a different storage buffer formulation.



1×10^6 HepG2 cells were intracellularly stained with 0.25 ug NR1H4 Recombinant antibody (81820-2-RR, Clone:4B4) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 81820-2-PBS in a



Biolayer interferometry (BLI) kinetic assays of 81820-2-RR against Human NR1H4 were performed. The affinity constant is 0.807 nM.