

For Research Use Only

NR1H4 Polyclonal antibody

Catalog Number: 25055-1-AP

Featured Product

45 Publications



Basic Information

Catalog Number: 25055-1-AP	GenBank Accession Number: BC130573	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 900 µg/ml by Nanodrop;	GeneID (NCBI): 9971	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q96R11	
Isotype: IgG	Full Name: nuclear receptor subfamily 1, group H, member 4	
Immunogen Catalog Number: AG21878	Calculated MW: 486 aa, 56 kDa	
	Observed MW: 48 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : HepG2 cells, MCF-7 cells, MDA-MB-231 cells IHC : human kidney tissue,
Cited Applications: WB, IF, IHC, CoIP	
Species Specificity: human	
Cited Species: human, rat, mouse, pig	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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 expression level and transcriptional activity depending on its location within specific tissues. (PMID: 14733360, PMID: 30787420)

Notable Publications

Author	Pubmed ID	Journal	Application
Tingting Li	32976922	Toxicol Appl Pharmacol	WB
Jiawei Wang	36273619	Eur J Pharmacol	WB
Yadi Zhong	36278209	Front Pharmacol	WB

Storage

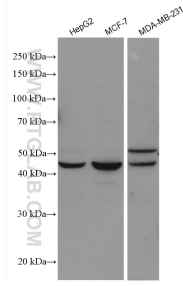
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

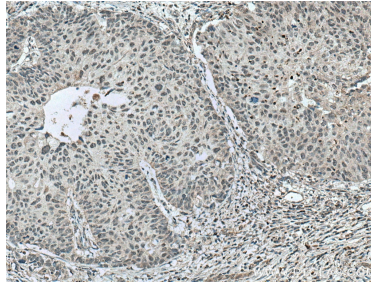
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

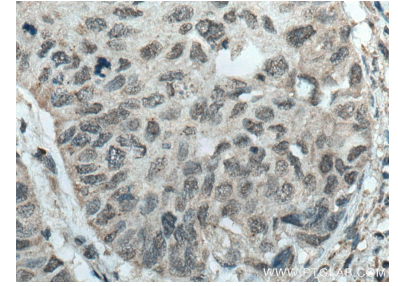
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25055-1-AP (NR1H4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 25055-1-AP (NR1H4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 25055-1-AP (NR1H4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).