

For Research Use Only

NR1H4 Polyclonal antibody

Catalog Number: 25055-1-AP

Featured Product

68 Publications



Basic Information

Catalog Number:

25055-1-AP

Size:

150ul, Concentration: 900 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG21878

GenBank Accession Number:

BC130573

GeneID (NCBI):

9971

UNIPROT ID:

Q96R11

Full Name:

nuclear receptor subfamily 1, group H, member 4

Calculated MW:

486 aa, 56 kDa

Observed MW:

48-56 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IF, ColP

Species Specificity:

human

Cited Species:

human, mouse, rat, pig

Positive Controls:

WB : HepG2 cells, MCF-7 cells, MDA-MB-231 cells

IP : rat liver tissue,

IHC : human kidney tissue,

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 expressional 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

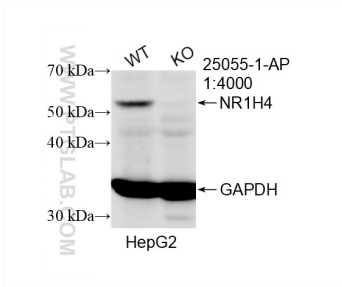
For technical support and original validation data for this product please contact:

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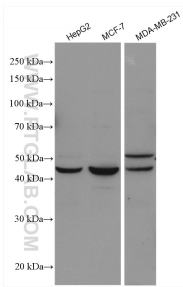
E: proteintech@ptglab.com
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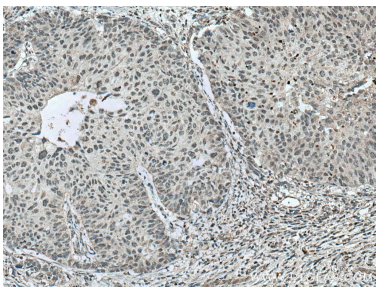
Selected Validation Data



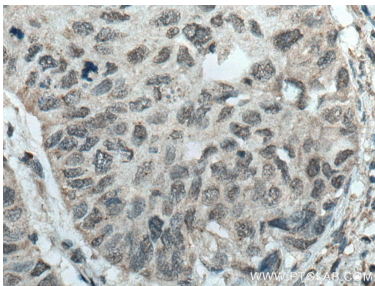
WB result of NR1H4 antibody (25055-1-AP; 1:4000; room temperature for 1.5 hours) with wild-type and NR1H4 knockout HepG2 cells.



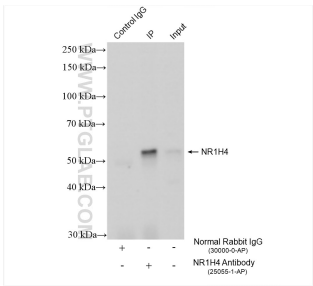
Various lysates were subjected to SDS PAGE followed by western blot with 25055-1-AP (NR1H4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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).



IP result of anti-NR1H4 (IP:25055-1-AP, 4ug; Detection:25055-1-AP 1:2000) with rat liver tissue lysate 2600 ug.