

NR1H4 Polyclonal antibody

Catalog Number: 25055-1-AP

Featured Product

40 Publications

Basic Information

Catalog Number:

25055-1-AP

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG21878

GenBank Accession Number:

BC130573

GeneID (NCBI):

9971

UNIPROT ID:

Q96RI1

Full Name:

nuclear receptor subfamily 1, group H, member 4

Calculated MW:

486 aa, 56 kDa

Observed MW:

48 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

CoIP, IF, IHC, WB

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

Positive Controls:

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

IHC : human kidney tissue,

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

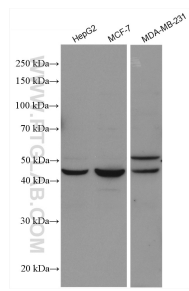
For technical support and original validation data for this product please contact:

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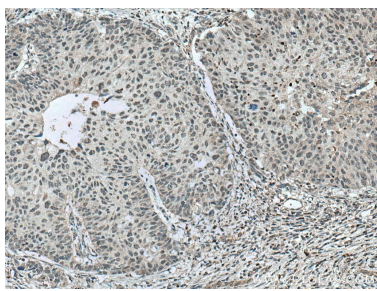
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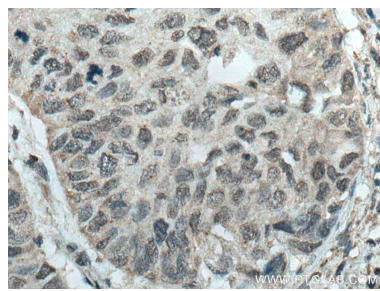
Selected Validation Data



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).