

For Research Use Only

NR5A2 Polyclonal antibody

Catalog Number: 22460-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number:

22460-1-AP

Size:

150ul, Concentration: 750 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18001

GenBank Accession Number:

BC118652

GeneID (NCBI):

2494

UNIPROT ID:

O00482

Full Name:

nuclear receptor subfamily 5, group A, member 2

Calculated MW:

541 aa, 61 kDa

Observed MW:

61-67 kDa

Purification Method:

Antigen Affinity purified

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, sheep

Positive Controls:

WB: A549 cells, rat testis tissue, mouse ovary tissue, BxPC-3 cells, mouse liver tissue, mouse pancreas tissue

Background Information

NR5A2 belongs to the nuclear hormone receptor family NR5 subfamily. It binds to the sequence element 5'-AACGACCGACCTTGAG-3' of the enhancer II of hepatitis B virus genes, a critical cis-element of their expression and regulation. NR5A2 may be responsible for the liver-specific activity of enhancer II, probably in combination with other hepatocyte transcription factors. Key regulator of cholesterol 7-alpha-hydroxylase gene (CYP7A) expression in liver. It may also contribute to the regulation of pancreas-specific genes and play important roles in embryonic development. LRH-1 is phosphorylated to display its normal function, including its role in the intriguing potential responses to phospholipid or other ligands. The hinge domain serine residues at 238 and 243 are required for effective phosphorylation, both in vitro and in cells (16439367). NR5A1 is abundantly expressed in pancreas, less in liver, very low levels in heart and lung. Expressed in hepG2. Isoform 1 and isoform 2 seem to be present in fetal and adult liver and hepG2 cells. The observed molecular weight of 65-70 kDa is the phosphorylation of NR5A2 protein.

Notable Publications

Author	Pubmed ID	Journal	Application
Tao He	33230458	Mol Ther Nucleic Acids	WB
Kun Zhang	34277436	Front Oncol	WB, IHC
Jinxin Liu	31911244	Pharmacol Res	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

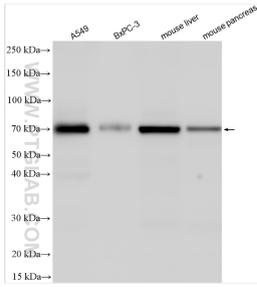
For technical support and original validation data for this product please contact:

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 22460-1-AP (NR5A2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.