

For Research Use Only

NR1I3 Polyclonal antibody

Catalog Number: 21042-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number: 21042-1-AP	GenBank Accession Number: BC069651	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 300 µg/ml by Nanodrop and 247 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9970	Recommended Dilutions: WB 1:500-1:3000 IHC 1:250-1:1000
Source: Rabbit	Full Name: nuclear receptor subfamily 1, group I, member 3	
Isotype: IgG	Calculated MW: 352 aa, 40 kDa	
Immunogen Catalog Number: AG15378	Observed MW: 45 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

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: HeLa cells, HepG2 cells, L02 cells

IHC: mouse kidney tissue, rat liver tissue

Background Information

The nuclear hormone receptor superfamily is a large group of related transcription factors which includes members that bind a diverse array of ligands, including steroids, retinoic acid, thyroid hormone, and vitamin D. Nuclear hormone receptors contain a DNA-binding domain (DBD) and a ligand-binding domain [PMID: 10221899]. Nuclear receptor subfamily 1 group I member 3 (NR1I3; CAR), binds and transactivates the retinoic acid response elements that control expression of the retinoic acid receptor beta 2 and alcohol dehydrogenase 3 genes. It is expressed primarily in liver and regulates the expression of genes involved in xenobiotic metabolism as well as hormone, energy, and lipid homeostasis [PMID:22896671].

Notable Publications

Author	Pubmed ID	Journal	Application
Na Yao	31611795	Front Pharmacol	WB
Qingqing Hu	30414935	Biochem Pharmacol	WB
Han Li	33896369	Xenobiotica	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

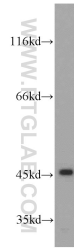
For technical support and original validation data for this product please contact:

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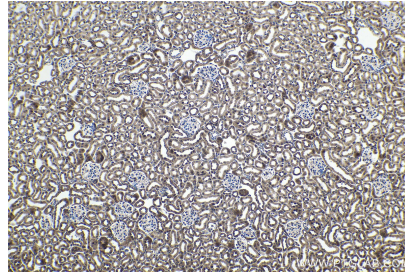
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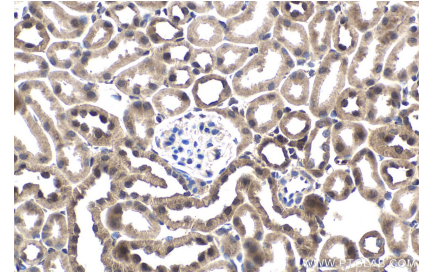
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 21042-1-AP (NR13 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 21042-1-AP (NR13 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 21042-1-AP (NR13 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).