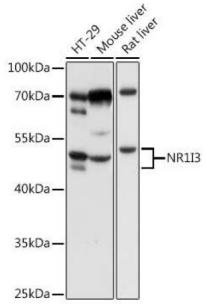
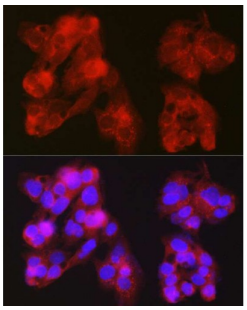
Constitutive Androstane Receptor / CAR (NR1I3) Antibody

Catalogue No.:abx001605



Western blot analysis of extracts of various cell lines, using NR1I3 antibody (abx001605) at 1/1000 dilution.



Immunofluorescence analysis of HepG2 cells using NR1I3 antibody (abx001605) at 1/100 dilution (40x lens). Blue: DAPI for nuclear staining.

NR1I3 Antibody is a Rabbit Polyclonal antibody against NR1I3. This gene encodes a member of the nuclear receptor superfamily, and is a key regulator of xenobiotic and endobiotic metabolism. The protein binds to DNA as a monomer or a heterodimer with the retinoid X receptor and regulates the transcription of target genes involved in drug metabolism and bilirubin clearance, such as cytochrome P450 family members. Unlike most nuclear receptors, this transcriptional regulator is constitutively active in the absence of ligand but is regulated by both agonists and inverse agonists. Ligand binding results in translocation of this protein to the nucleus, where it activates or represses target gene transcription. These ligands include bilirubin, a variety of foreign compounds, steroid hormones, and prescription drugs. Multiple transcript variants encoding different isoforms have been found for this gene.

Target:	Constitutive Androstane Receptor / CAR (NR1I3)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	WB, IF/ICC
Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/1000, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 103-352 of human NR1I3.

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Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q14994 (UniProt, ExPASy)
Gene Symbol:	NR1I3
GeneID:	9970
NCBI Accession:	NP_001070948.1
KEGG:	hsa:9970
String:	9606.ENSP00000356959
Molecular Weight:	Calculated MW: 40 kDa Observed MW: 45 kDa
Buffer:	PBS, pH 7.3, containing 0.01% thimerosal, 50% glycerol.
Concentration:	4.09 mg/ml
Note:	This product is for research use only.

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