

Rabbit NR1I2 Polyclonal Antibody | anti-NR1I2 antibody

NR1I2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326246	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

NR1I2; Polyclonal Antibody; NR1I2 Antibody; BXR; Nr1i2; NR1I2_HUMAN; Nuclear receptor subfamily 1 group I member 2; ONR 1; ONR1; Orphan nuclear receptor PAR 1; Orphan nuclear receptor PAR1; Orphan nuclear receptor PXR; OTTHUMP00000215173; OTTHUMP00000215174; OTTHUMP00000215175; PAR 1; PAR 2; PAR; PAR q; PAR1; PAR2; PARq; pregnane X nuclear receptor variant 2; Pregnane X receptor; PRR; PXR; SAR; Steroid and xenobiotic receptor; SXR; anti-NR1I2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NR1I2 antibody detects endogenous levels of total NR1I2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	434
Applicable Applications for anti-NR1I2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NR1I2
Subcellular Location	Nucleus.
Tissue Specificity	Expressed in liver, colon and small intestine.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (91%), Bovine (80%), Horse (82%), Sheep (80%), Rabbit (91%), Dog (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA326246 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts of Mouse liver, using NR1I2 antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326246 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-NR1I2 antibody

Description: This gene product belongs to the nuclear receptor superfamily, members of which are transcription factors characterized by a ligand-binding domain and a DNA-binding domain. The encoded protein is a transcriptional regulator of the cytochrome P450 gene CYP3A4, binding to the response element of the CYP3A4 promoter as a heterodimer with the 9-cis retinoic acid receptor RXR. It is activated by a range of compounds that induce CYP3A4, including dexamethasone and rifampicin. Several alternatively spliced transcripts encoding different isoforms, some of which use non-AUG (CUG) translation initiation codon, have been described for this gene. Additional transcript variants exist, however, they have not been fully characterized.

Function: Nuclear receptor that binds and is activated by variety of endogenous and xenobiotic compounds. Transcription factor that activates the transcription of multiple genes involved in the metabolism and secretion of potentially harmful xenobiotics, drugs and endogenous compounds. Activated by the antibiotic rifampicin and various plant metabolites, such as hyperforin, guggulipid, colupulone, and isoflavones. Response to specific ligands is species-specific. Activated by naturally occurring steroids, such as pregnenolone and progesterone. Binds to a response element in the promoters of the CYP3A4 and ABCB1/MDR1 genes.

Subunit Structure: Heterodimer with RXR. Interacts with NCOA1.

Similarity: Belongs to the nuclear hormone receptor family. NR1 subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	34398348
NCBI GeneID	8856
NCBI Accession #	NP_003880.3
NCBI GenBank Nucleotide #	NM_003889.3
UniProt Accession #	O75469; Q006P5; Q008C8; Q96AC7; Q9UJ22; Q9UJ23; Q9UJ24; Q9UJ25; Q9UJ26; Q9UJ27; Q9UNW4
Molecular Weight	Observed: 50 kDa Predicted: 50 kDa
NCBI Official Full Name	nuclear receptor subfamily 1 group I member 2 isoform 1
NCBI Official Synonym Full Names	nuclear receptor subfamily 1 group I member 2
NCBI Official Symbol	NR1I2
NCBI Official Synonym Symbols	BXR; PAR; PRR; PXR; SAR; SXR; ONR1; PAR1; PAR2; PARq
NCBI Protein Information	nuclear receptor subfamily 1 group I member 2

UniProt Protein Name	Nuclear receptor subfamily 1 group I member 2
UniProt Gene Name	NR1I2
UniProt Synonym Gene Names	PXR; SXR

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nr1i2-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326246>