

Product datasheet for **TA345353**

PXR (NR112) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-NR112 antibody: synthetic peptide directed towards the C terminal of human NR112. Synthetic peptide located within the following region: PQPAHRFLFKIMAMLTELR SINAQHTQRLLR IQDIHPFATPLMQELFGI
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	54 kDa
Gene Name:	nuclear receptor subfamily 1 group I member 2
Database Link:	NP_071285 Entrez Gene 8856 Human O75469



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Background:

NR1I2 belongs to the nuclear receptor superfamily, members of which are transcription factors characterized by a ligand-binding domain and a DNA-binding domain. NR1I2 contains a zinc finger domain. NR1I2 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. The 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. The gene product contains a zinc finger domain. Three alternatively spliced transcripts that encode different isoforms have been described, one of which encodes two products through the use of alternative translation initiation codons. Additional transcript variants derived from alternative promoter usage, alternative splicing, and/or alternative polyadenylation exist, but they have not been fully described.

Synonyms:

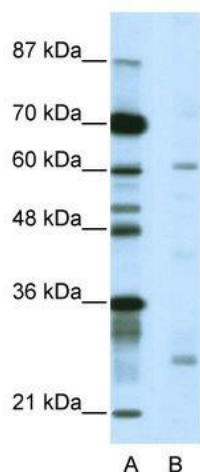
BXR; ONR1; PAR; PAR1; PAR2; PARq; PRR; PXR; SAR; SXR

Note:

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Human: 100%; Horse: 93%; Rabbit: 93%; Rat: 92%; Mouse: 92%; Guinea pig: 85%; Bovine: 77%

Protein Families:

Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Product images:

WB Suggested Anti-NR1I2 Antibody Titration: 5.0 ug/ml; ELISA Titer: 1: 12500; Positive Control: Jurkat cell lysate