

Datasheet for ABIN679598

**anti-NR1I2 antibody (AA 51-150)**[2 Images](#)[2 Publications](#)[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	NR1I2
Binding Specificity:	AA 51-150
Reactivity:	Human, Mouse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NR1I2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PXR
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Pig
Predicted Reactivity:	Rat,Cow,Horse
Purification:	Purified by Protein A.

## Target Details

Target:	NR1I2
Alternative Name:	PXR ( <a href="#">NR1I2 Products</a> )

## Target Details

Background:	<p>Synonyms: BXR, PAR, PRR, PXR, SAR, SXR, ONR1, PAR1, PAR2, PARq, Nuclear receptor subfamily 1 group I member 2, Orphan nuclear receptor PAR1, Orphan nuclear receptor PXR, Pregnane X receptor, Steroid and xenobiotic receptor, NR1I2</p> <p>Background: 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.</p>
Gene ID:	8856
UniProt:	<a href="#">O75469</a>
Pathways:	<a href="#">Nuclear Receptor Transcription Pathway</a> , <a href="#">Steroid Hormone Mediated Signaling Pathway</a>

## Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

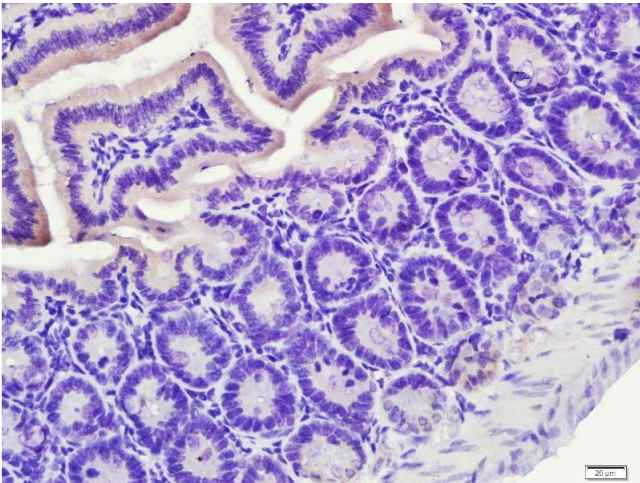
Expiry Date: 12 months

Publications

Product cited in: Zhou, Li, Wang, Jin, Shi, Wang, Bi: "Cecropin B Represses CYP3A29 Expression through Activation of the TLR2/4-NF-κB/PXR Signaling Pathway." in: **Scientific reports**, Vol. 6, pp. 27876 , (2016) ([PubMed](#)).

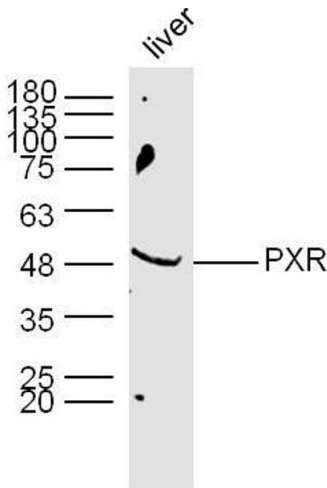
Sehirli, Cetinel, Ozkan, Selman, Tetik, Yuksel, Dulger: "St. John's wort may ameliorate 2,4,6-trinitrobenzenesulfonic acid colitis off rats through the induction of pregnane X receptors and/or P-glycoproteins." in: **Journal of physiology and pharmacology : an official journal of the Polish Physiological Society**, Vol. 66, Issue 2, pp. 203-14, (2015) ([PubMed](#)).

Images



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Paraformaldehyde-fixed, paraffin embedded Mouse small intestine, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30min, Antibody incubation with PXR Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, followed by a conjugated secondary antibody for 20 minutes and DAB staining.



**Western Blotting**

**Image 2.** Mouse Liver lysates probed with PXR Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.