10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NR1I2 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI11609

Product Information

Application	WB
Primary Accession	O75469
Other Accession	NM_003889, NP_003880
Reactivity	Human, Horse
Predicted	Human, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49762

Additional Information

Gene ID	8856
Alias Symbol	BXR, ONR1, PAR, PAR1, PAR2, PARq, PRR, PXR, SAR, SXR
Other Names	Nuclear receptor subfamily 1 group I member 2, Orphan nuclear receptor PAR1, Orphan nuclear receptor PXR, Pregnane X receptor, Steroid and xenobiotic receptor, SXR, NR1I2, PXR
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 100 ul of distilled water. Final anti-NR1I2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	NR1I2 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

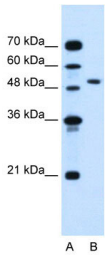
Name	NR1I2
Synonyms	PXR
Function	Nuclear receptor that acts as a transcription factor regulating genes involved in the metabolism and excretion of xenobiotics, drugs, and endogenous compounds. Activated by a broad range of endogenous steroids (e.g. pregnenolone, progesterone) and xenobiotics, including the antibiotic rifampicin and certain plant- derived metabolites. Upon ligand binding, translocates to the nucleus, forms a heterodimer with the retinoid X receptor/RXR, and binds to response elements in target promoters, leading to

	transcriptional activation. Target genes include cytochrome P450 enzymes such as CYP3A4 and ATP-binding cassette transporters including ABCB1/MDR1.
Cellular Location	Nucleus {ECO:0000255|PROSITE-ProRule:PRU00407, ECO:0000269|PubMed:12606758, ECO:0000269|PubMed:26534988}. Cytoplasm
Tissue Location	Expressed in liver, colon and small intestine.

References

Dring,M.M., (2006) Gastroenterology 130 (2), 341-348Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images



WB Suggested Anti-NR1I2 Antibody Titration: 0.5µg/ml
Positive Control: Jurkat cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.