Datasheet for ABIN2774988

anti-NR1I2 antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	NR1I2
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NR1I2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human NR1I2
Sequence:	KKEMIMSDEA VEERRALIKR KKSERTGTQP LGVQGLTEEQ RMMIRELMDA
Predicted Reactivity:	Human: 100%
Characteristics:	This is a rabbit polyclonal antibody against NR1I2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	NR1I2
Alternative Name:	NR1I2 (NR1I2 Products)

Target Details

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. NR1I2 belongs to the nuclear receptor superfamily, members of which are transcription factors characterized by a ligand-binding domain and a DNA-binding domain. 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. Alias Symbols: BXR, ONR1, PAR, PAR1, PAR2, PARq, PRR, PXR, SAR, SXR Protein Interaction Partner: NCOA1, RPS6KB1, UBC, RBBP7, DDB1, UBR5, DYRK2, NCOR2, SDF4, NCOA3, TFAP2C, MAPK7, NFATC4, HSP90AA1, FGR, ATP6AP1, RXRA, RBCK1, NCOA2, SUMO1, SUMO2, SUMO3, NCOA6, SRC, RXRG, RXRB, CHMP1A, NUCB2, ACTN2, PPARGC1A, EIF3I, TADA3, NCOR1, PRMT1, NR1I2, PSMC5, PO Protein Size: 434
Molecular Weight:	50 kDa
Gene ID:	8856
NCBI Accession:	NM_003889, NP_003880
UniProt:	O75469
Pathways:	Nuclear Receptor Transcription Pathway, Steroid Hormone Mediated Signaling Pathway

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 434 AA
Restrictions:	For Research Use only

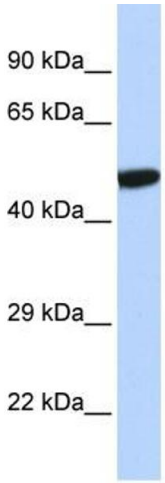
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

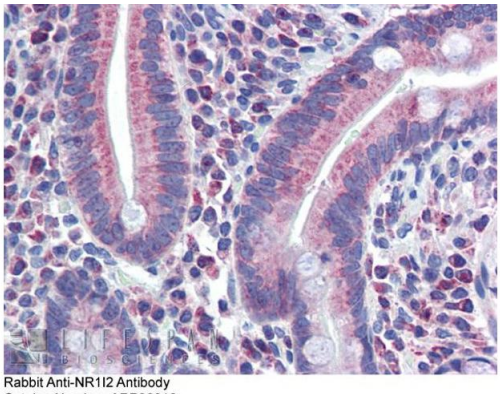
Product cited in:	Harden, Perez-Carrion, Babakordi, Plummer, Hepburn, Barker, Wright, Evans, Corfe: "Evaluation of the salivary proteome as a surrogate tissue for systems biology approaches to understanding appetite." in: **Journal of proteomics**, Vol. 75, Issue 10, pp. 2916-23, (2012) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-NR1I2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: Hela cell lysate



Immunohistochemistry

Image 2. Immunohistochemistry with Human Small Intestine tissue at an antibody concentration of 5.0ug/ml using anti-NR1I2 antibody