

Datasheet for ABIN2778416
anti-NR1I2 antibody (N-Term)



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2 Images

Overview

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

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human NR1I2
Sequence:	MEVRPKESWN HADFVHCEDT ESVGKPSVN ADEEVGGPQI CRVCGDKATG
Predicted Reactivity:	Horse: 85%, 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:	Protein A purified

Target Details

Target:	NR1I2
Alternative Name:	NR1I2 (NR1I2 Products)

Target Details

Background:	<p>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. 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.</p> <p>Alias Symbols: BXR, ONR1, PAR, PAR1, PAR2, PARq, PRR, PXR, SAR, SXR</p> <p>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</p> <p>Protein Size: 434</p>
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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

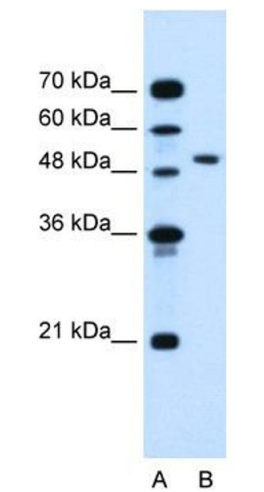
Application Details

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

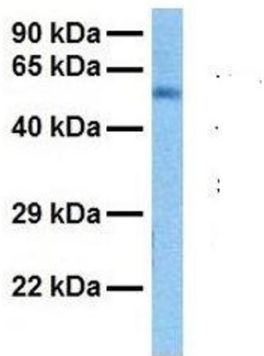
Handling

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.

Images



NR1I2



Western Blotting

Image 1. WB Suggested Anti-NR1I2 Antibody Titration:
0.5ug/ml Positive Control: Jurkat cell lysate

Western Blotting

Image 2. Host: Rabbit Target Name: NR1I2 Sample Tissue:
Human Fetal Liver Antibody Dilution: 1.0ug/ml