Datasheet for ABIN2773865

anti-NR1H4 antibody (Middle Region)

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Overview

Quantity:	100 µL
Target:	NR1H4
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Horse, Cow, Rabbit, Pig, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NR1H4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human NR1H4
Sequence:	SAVEAMFLRS AEIFNKKLPS GHSDLLEERI RNSGISDEYI TPMFSFYKSI
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 86%, Horse: 93%, Human: 100%, Mouse: 93%, Pig: 93%, Rabbit: 93%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against NR1H4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	NR1H4

Target Details

Alternative Name:	NR1H4 (NR1H4 Products)
Background:	NR1H4 is the receptor for bile acids such as chenodeoxycholic acid, lithocholic acid and deoxycholic acid. NR1H4 represses the transcription of the cholesterol 7-alpha-hydroxylase gene (CYP7A1) through the induction of NR0B2 or FGF19 expression, via two d Alias Symbols: BAR, FXR, HRR-1, HRR1, MGC163445, RIP14 Protein Interaction Partner: SMARCD3, HDAC6, SUMO1, NCOR2, ESR1, RRM2, GPS2, RXRG, GAPDH, RXRA, EP300, SIRT1, SRC, NCOA6, CARM1, HIST1H4A, HIST1H3A, PRMT1, NCOR1, XRCC5, PRKDC, XRCC6, NCOA1, CASP8, SMARCD1, Protein Size: 472
Molecular Weight:	54 kDa
Gene ID:	9971
NCBI Accession:	NM_005123, NP_005114
UniProt:	B6ZGS9
Pathways:	Nuclear Receptor Transcription Pathway, Steroid Hormone Mediated Signaling Pathway, Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 472 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.

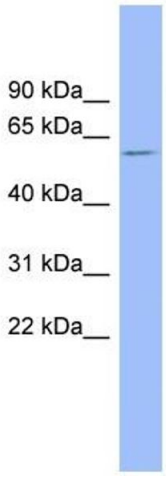
Handling

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:	Ewing, Chu, Elisma, Li, Taylor, Climie, McBroom-Cerajewski, Robinson, OConnor, Li, Taylor, Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Farha, Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by mass spectrometry. ..." in: **Molecular systems biology**, Vol. 3, pp. 89, (2007) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-NR1H4 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: THP-1 cell lysate