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Datasheet for ABIN2780815

anti-Retinoid X Receptor gamma antibody (C-Term)

2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	Retinoid X Receptor gamma (RXRG)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse, Rabbit, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Retinoid X Receptor gamma antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human RXRG
Sequence:	LEAYTKQKYP EQPGRFAKLL LRLPALRSIG LKCLEHLFFF KLIGDTPIDT
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 92%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against RXRG. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	Retinoid X Receptor gamma (RXRG)
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Target Details

Alternative Name: [RXRG \(RXRG Products\)](#)

Background: RXRG encodes a member of the retinoid X receptor (RXR) family of nuclear receptors which are involved in mediating the antiproliferative effects of retinoic acid (RA). This receptor forms dimers with the retinoic acid, thyroid hormone, and vitamin D receptors, increasing both DNA binding and transcriptional function on their respective response elements. RXRG is expressed at significantly lower levels in non-small cell lung cancer cells. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. This gene encodes a member of the retinoid X receptor (RXR) family of nuclear receptors which are involved in mediating the antiproliferative effects of retinoic acid (RA). This receptor forms dimers with the retinoic acid, thyroid hormone, and vitamin D receptors, increasing both DNA binding and transcriptional function on their respective response elements. This gene is expressed at significantly lower levels in non-small cell lung cancer cells. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Alias Symbols: NR2B3, RXRC

Protein Interaction Partner: NR1H3, NR1H2, RARB, RARA, MPPED2, UBC, CUL1, DCK, NR1H4, NCOR2, NR1I2, VDR, THRB, RARG, PPARD, MAP4, CAMK2B, CEBPZ, HOXD4, AJUBA, RPAP2, LRSAM1, PNO1, CHGB, THRA, NCOA6, PPARG, SRF, CREBBP, PPARA, NR4A1, Nr0b2, ITGB3BP,

Protein Size: 463

Molecular Weight: 51 kDa

Gene ID: 6258

NCBI Accession: [NM_006917](#), [NP_008848](#)

UniProt: [P48443](#)

Pathways: [Nuclear Receptor Transcription Pathway](#), [Retinoic Acid Receptor Signaling Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 463 AA

Restrictions: For Research Use only

Handling

Format: Liquid

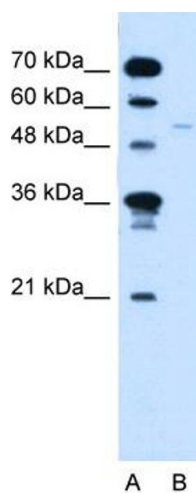
Handling

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:	Hu, Lausted, Yoo, Yan, Brightman, Chen, Wang, Bu, Hood: "Quantitative liver-specific protein fingerprint in blood: a signature for hepatotoxicity." in: Theranostics , Vol. 4, Issue 2, pp. 215-28, (2014) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-RXRG Antibody Titration:
2.5ug/ml Positive Control: Jurkat cell lysate



Western Blotting

Image 2. Host: Mouse Target Name: RXRG Sample Tissue: Mouse Spleen Antibody Dilution: 1ug/ml