

Goat Anti-RXR gamma Antibody

Peptide-affinity purified goat antibody Catalog # AF1949a

Specification

Goat Anti-RXR gamma Antibody - Product Information

Application WB, E
Primary Accession P48443

Other Accession NP_008848, 6258

Reactivity Human

Predicted Mouse, Rat, Pig, Dog

Host Goat
Clonality Polyclonal
Concentration 100ug/200ul

Isotype IgG
Calculated MW 50871

Goat Anti-RXR gamma Antibody - Additional Information

Gene ID 6258

Other Names

Retinoic acid receptor RXR-gamma, Nuclear receptor subfamily 2 group B member 3, Retinoid X receptor gamma, RXRG, NR2B3

Dilution

WB~~1:1000 E~~N/A

Format

0.5 mg lgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-RXR gamma Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-RXR gamma Antibody - Protein Information

Name RXRG

Synonyms NR2B3



Function

Receptor for retinoic acid. Retinoic acid receptors bind as heterodimers to their target response elements in response to their ligands, all-trans or 9-cis retinoic acid, and regulate gene expression in various biological processes. The RAR/RXR heterodimers bind to the retinoic acid response elements (RARE) composed of tandem 5'-AGGTCA-3' sites known as DR1-DR5. The high affinity ligand for RXRs is 9-cis retinoic acid (By similarity).

Cellular Location

 $Nucleus~\{ECO: 0000255 | PROSITE-ProRule: PRU00407,~ECO: 0000269 | PubMed: 28167758\}.~Cytoplasm$

Tissue Location

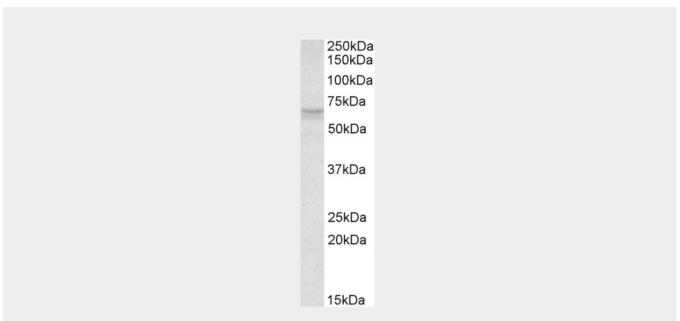
Expressed in aortic endothelial cells (at protein level).

Goat Anti-RXR gamma Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Goat Anti-RXR gamma Antibody - Images



AF1949a (1 μ g/ml) staining of HeLa lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-RXR gamma Antibody - Background

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





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transcriptional function on their respective response elements. This gene is expressed at significantly lower levels in non-small cell lung cancer cells. Alternatively spliced transcript variants have been described.

Goat Anti-RXR gamma Antibody - References

Maternal genes and facial clefts in offspring: a comprehensive search for genetic associations in two population-based cleft studies from Scandinavia. Jugessur A, et al. PLoS One, 2010 Jul 9. PMID 20634891.

Physiogenomic analysis of statin-treated patients: domain-specific counter effects within the ACACB gene on low-density lipoprotein cholesterol? Rua∏o G, et al. Pharmacogenomics, 2010 Jul. PMID 20602615.

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.

LIM protein Ajuba functions as a nuclear receptor corepressor and negatively regulates retinoic acid signaling. Hou Z, et al. Proc Natl Acad Sci U S A, 2010 Feb 16. PMID 20133701.

Epigenetic inactivation of retinoid X receptor genes in non-small cell lung cancer and the relationship with clinicopathologic features. Lee SM, et al. Cancer Genet Cytogenet, 2010 Feb. PMID 20113835.