

## RXRG Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant RXRG. Catalog # AT3749a

#### Specification

## RXRG Antibody (monoclonal) (M01) - Product Information

Application Primary Accession Other Accession Reactivity Host Clonality Isotype Calculated MW WB, E <u>P48443</u> <u>NM\_006917</u> Human mouse Monoclonal IgG1 Kappa 50871

## RXRG Antibody (monoclonal) (M01) - 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

**Target/Specificity** RXRG (NP\_008848, 1 a.a. ~ 75 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution** WB~~1:500~1000 E~~N/A

Format Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions** RXRG Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

### RXRG Antibody (monoclonal) (M01) - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides



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

RXRG Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (33.99 KDa) .



Western Blot analysis of RXRG expression in transfected 293T cell line by RXRG monoclonal antibody (M01), clone 6H1.

Lane 1: RXRG transfected lysate(50.871 KDa). Lane 2: Non-transfected lysate.





Detection limit for recombinant GST tagged RXRG is approximately 0.1ng/ml as a capture antibody.

## RXRG Antibody (monoclonal) (M01) - 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 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.

# RXRG Antibody (monoclonal) (M01) - 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.

### **RXRG Antibody (monoclonal) (M01) - Citations**

• Pias3-dependent SUMOylation controls mammalian cone photoreceptor differentiation.