

RXRG Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant RXRG.****Catalog # AT3749a****Specification**

RXRG Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	P48443
Other Accession	NM_006917
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	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

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.

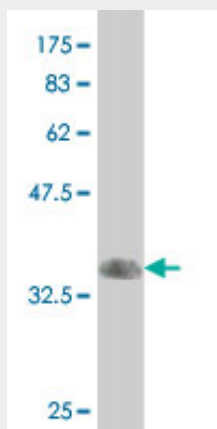
RXRG Antibody (monoclonal) (M01) - Protocols

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

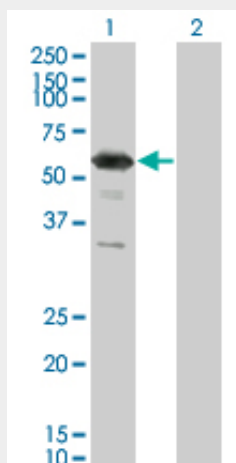
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RXRG Antibody (monoclonal) (M01) - Images



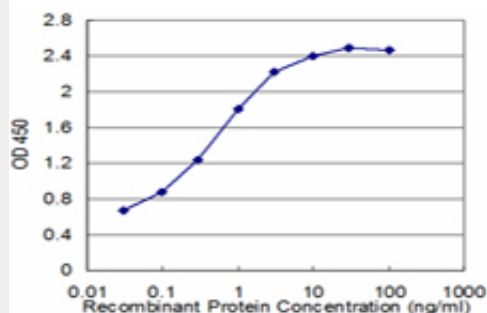
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (33.99 kDa) .



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? Ruafo 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.](#)