10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

RXRG Antibody (monoclonal) (M01)

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

Product Information

Application	WB, E
Primary Accession	P48443
Other Accession	NM_006917
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	6H1
Calculated MW	50871

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.

Background

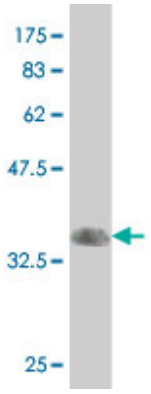
This gene encodes a member of the retinoid X receptor (RXR) family of nuclear receptors which are involved in mediating the antiproliferative effects of retinoic acid (RA). This receptor forms dimers with the retinoic acid, thyroid hormone, and vitamin D receptors, increasing both DNA binding and transcriptional 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.

References

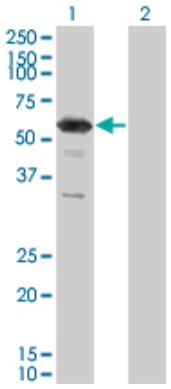
Maternal genes and facial clefts in offspring: a comprehensive search for genetic associations in two

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.

Images

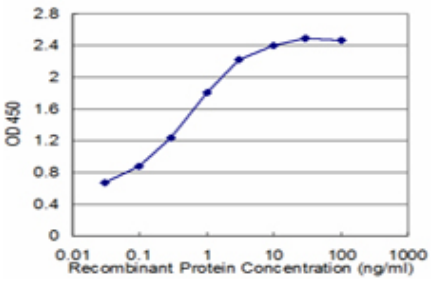


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (33.99 KDa) .



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.

Citations

- Pias3-dependent SUMOylation controls mammalian cone photoreceptor differentiation.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.