



# Anti-RXRG monoclonal antibody, clone 2484 (DCABY-960)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

**Antigen Description** Retinoic acid (RA; active metabolite of vitamin A) plays a prominent role in regulating the transition of proliferating precursor cells (such as carcinoma cells and neuronal precursors) to postmitotic differentiated cells. The Retinoid X Receptors (RXRs) family (RXR $\alpha$ ,  $\beta$  and  $\gamma$ ) preferentially bind 9-cis-RA and regulate gene transcription by forming heterodimers with a second family of RA receptors. RAs have been suggested to potentially play a therapeutic role in cervical cancer. RAs are known to play key roles in neuronal development and an increasing body of evidence indicates that retinoid signaling may regulate synaptic plasticity and associated learning and memory behaviors.

<b>Specificity</b>	Specific for the ~48k RXR- $\gamma$ isotype.
<b>Target</b>	Synthetic peptide corresponding to amino acid residues from the hinge region conjugated to KLH.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human, Rat
<b>Clone</b>	2484
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Molecular Weight</b>	48 KDa
<b>Format</b>	Prepared from mouse ascites by ammonium sulfate precipitation followed by affinity purification on a protein G column.
<b>Size</b>	100 $\mu$ l
<b>Storage</b>	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.
<b>Ship</b>	Blue ice
<b>Warnings</b>	Retinoid X Receptor, $\gamma$ -Isotype Antibody is for research use only and not for use in diagnostic or

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">RXRG retinoid X receptor, gamma [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	RXRG
<b>Synonyms</b>	Retinoic acid receptor RXR-gamma; Nuclear receptor subfamily 2 group B member 3; Retinoid X receptor gamma; RXRG; NR2B3
<b>Entrez Gene ID</b>	<a href="#">6258</a>
<b>Protein Refseq</b>	<a href="#">NP_001243499</a>
<b>UniProt ID</b>	<a href="#">A0A087WZ88</a>
<b>Chromosome Location</b>	1q22-q23
<b>Pathway</b>	Adipocytokine signaling pathway; Adipogenesis; Gene Expression; Generic Transcription Pathway; Non-small cell lung cancer; Nuclear Receptor transcription pathway; Nuclear Receptors; PPAR signaling pathway;
<b>Function</b>	9-cis retinoic acid receptor activity; protein binding; sequence-specific DNA binding; steroid hormone receptor activity; zinc ion binding

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