

RARG Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21522c**Specification**

RARG Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P13631
Reactivity	Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	50342

RARG Antibody (Center) - Additional Information**Gene ID** 5916**Other Names**

Retinoic acid receptor gamma, RAR-gamma, Nuclear receptor subfamily 1 group B member 3, RARG, NR1B3

Target/Specificity

This RARG antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 209-243 amino acids from the Central region of human RARG.

Dilution

WB~~1:2000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

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

Precautions

RARG Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

RARG Antibody (Center) - Protein Information**Name** RARG**Synonyms** NR1B3

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. In the absence of ligand, acts mainly as an activator of gene expression due to weak binding to corepressors. Required for limb bud development. In concert with RARA or RARB, required for skeletal growth, matrix homeostasis and growth plate function (By similarity).

Cellular Location

Nucleus. Cytoplasm

Tissue Location

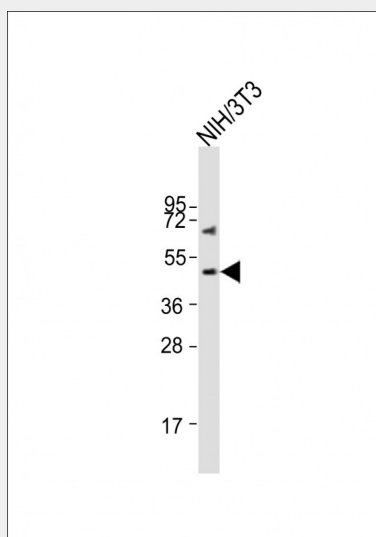
Expressed in aortic endothelial cells (at protein level).

RARG Antibody (Center) - 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](#)

RARG Antibody (Center) - Images



Anti-RARG Antibody (Center) at 1:2000 dilution + NIH/3T3 whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 50 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

RARG Antibody (Center) - Background

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. In the absence of ligand, acts mainly as an activator of gene expression due to weak binding to corepressors. Required for limb bud development. In concert with RARA or RARB, required for skeletal growth, matrix homeostasis and growth plate function (By similarity).

RARG Antibody (Center) - References

Krust A., et al. Proc. Natl. Acad. Sci. U.S.A. 86:5310-5314(1989).
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Lehmann J.M., et al. Nucleic Acids Res. 19:573-578(1991).
Ota T., et al. Nat. Genet. 36:40-45(2004).
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