

Rabbit RARB Polyclonal Antibody | anti-RARB antibody

RARB Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285584	Rabbit	Human (Predicted Reactivity: Chicken, Mouse)	Immunofluorescence, ELISA, Western Blot

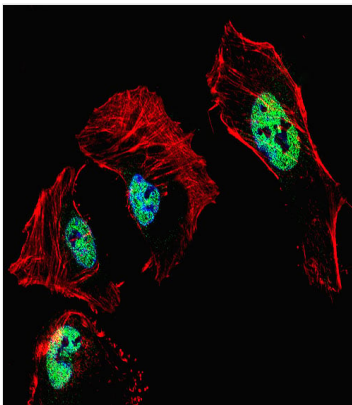
PRODUCT SYNONYMS

RARB; Polyclonal Antibody; RARB Antibody (Center); Retinoic acid receptor beta; RAR-beta; HBV-activated protein; Nuclear receptor subfamily 1 group B member 2; RAR-epsilon; HAP; NR1B2; anti-RARB antibody

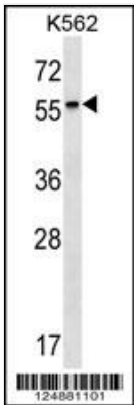
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Chicken, Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This RARB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 168-195 amino acids from the Central region of human RARB.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	168-195
Sequence Length	—
Applicable Applications for anti-RARB antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)
Fluorescent confocal image of HeLa cell stained with RARB Antibody (Center). HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with RARB primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). Nuclei were counterstained with DAPI (blue) (10 ug/ml, 10 min). RARB immunoreactivity is localized to nucleus significantly.



WB (Western Blot)
RARB Antibody (Center) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the RARB antibody detected the RARB protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-RARB antibody	This gene encodes retinoic acid receptor beta, a member of the thyroid-steroid hormone receptor superfamily of nuclear transcriptional regulators. This receptor localizes to the cytoplasm and to subnuclear compartments. It binds retinoic acid, the biologically active form of vitamin A which mediates cellular signalling in embryonic morphogenesis, cell growth and differentiation. It is thought that this protein limits growth of many cell types by regulating gene expression. The gene was first identified in a hepatocellular carcinoma where it flanks a hepatitis B virus integration site. The gene expresses at least two transcript variants; one additional transcript has been described, but its full length nature has not been determined. [provided by RefSeq].
Product Categories/Family for anti-RARB antibody	Cancer; Signal Transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Miladi-Abdennadher, I., et al. Tumour Biol. 31(5):503-511(2010) Ruano, G., et al. Pharmacogenomics 11(7):959-971(2010) Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) : Ding, Y., et al. Mol. Vis. 16, 855-861 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	14916494
NCBI GeneID	5915
NCBI Accession #	NP_000956.2 ; NP_057236.1
NCBI GenBank Nucleotide #	NM_000965.4
UniProt Accession #	P10826 ; P12891 ; Q00989 ; Q15298 ; Q9UN48
Molecular Weight	50489
NCBI Official Full Name	retinoic acid receptor beta isoform 1

NCBI Official Synonym Full Names	retinoic acid receptor, beta
NCBI Official Symbol	RARB
NCBI Official Synonym Symbols	HAP; RRB2; NR1B2; MCOPS12
NCBI Protein Information	retinoic acid receptor beta
UniProt Protein Name	Retinoic acid receptor beta
UniProt Gene Name	RARB
UniProt Synonym Gene Names	HAP; NR1B2; RAR-beta
UniProt Entry Name	RARB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rarb-antibody-immunofluorescence-western-blot-elisa/285584>