

Rabbit anti-Human, Mouse Retinoic Acid Receptor beta Polyclonal Antibody | anti-RARB antibody

Retinoic Acid Receptor beta Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320890	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

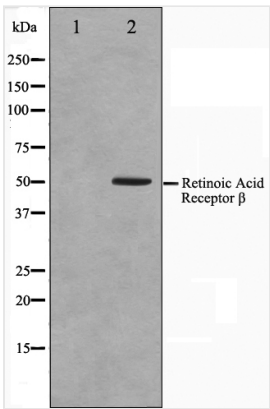
PRODUCT SYNONYMS

Retinoic Acid Receptor beta; Polyclonal Antibody; Retinoic Acid Receptor beta Antibody; HAP; HBV-activated protein; NR1B2; Nuclear receptor subfamily 1 group B member 2; RAR B; RAR beta; RAR epsilon; RAR-beta; RAR-epsilon; RARB; RARB_HUMAN; Retinoic acid receptor beta 2; Retinoic acid receptor beta 4; Retinoic acid receptor beta 5; Retinoic acid receptor beta; Retinoic acid receptor beta polypeptide; RRB2; anti-RARB antibody

PRODUCT SPECIFICATIONS

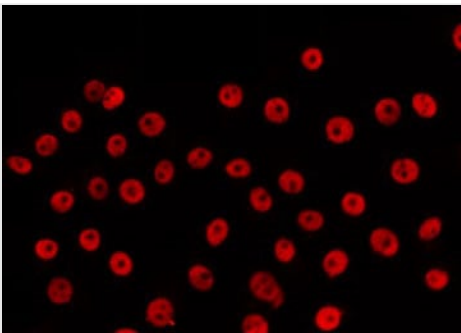
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Retinoic Acid Receptor beta antibody detects endogenous levels of total Retinoic Acid Receptor beta
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	448
Applicable Applications for anti-RARB antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Retinoic Acid Receptor beta
Subcellular Location	Cytoplasm and Nucleus.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (93%), Xenopus (93%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



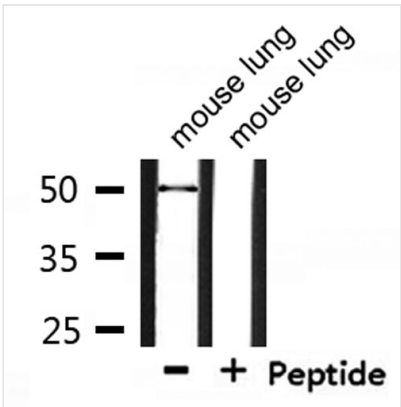
WB (Western Blot)

Western blot analysis on HepG2 cell lysate using Retinoic Acid Receptor beta Antibody, The lane on the left is treated with the antigen-specific peptide.



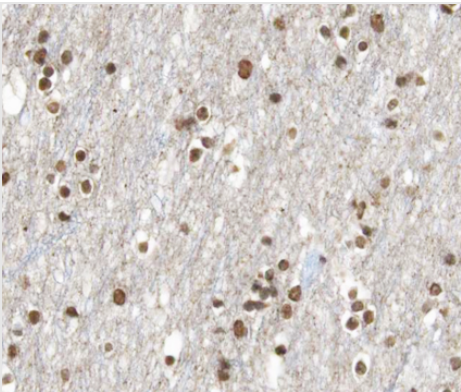
IF (Immunofluorescence)

AAA320890 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from mouse lung, using Retinoic Acid Receptor beta Antibody.



IHC (Immunohistochemistry)

AAA320890 at 1/100 staining human brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-RARB antibody	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 RXR/RAR heterodimers bind to the retinoic acid response elements (RARE) composed of tandem 5'-AGGTCA-3' sites known as DR1-DR5. In the absence or presence of hormone ligand, acts mainly as an activator of gene expression due to weak binding to corepressors. In concert with RARG, required for skeletal growth, matrix homeostasis and growth plate function. Subunit Structure: Homodimer (By similarity). Heterodimer; with a RXR molecule. Binds DNA preferentially as a RAR/RXR heterodimer (By similarity). Interacts weakly with NCOR2. Similarity: Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal ligand-binding domain. Belongs to the nuclear hormone receptor family. NR1 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	14916494
NCBI GeneID	5915
NCBI Accession #	NP_000956.2
NCBI GenBank Nucleotide #	NM_000965.4
UniProt Accession #	P10826; P12891; Q00989; Q15298; Q9UN48

Molecular Weight	Observed: 50 kDa Predicted: 51 kDa
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; RARbeta1
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

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/retinoic-acid-receptor-beta-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320890>