

Datasheet for ABIN2782266

anti-Retinoic Acid Receptor beta antibody (C-Term)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Retinoic Acid Receptor beta (RARβ)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Horse, Rabbit, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Retinoic Acid Receptor beta antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human RARβ
Sequence:	SAKGAERVIT LKMEIPGSMP PLIQEMLNS EGHEPLTPSS SGNTAEHSPS
Predicted Reactivity:	Cow: 100%, Dog: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against RARβ. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Retinoic Acid Receptor beta (RARβ)
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Target Details

Alternative Name: RARB ([RARB Products](#))

Background: RARB is a 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. 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.

Alias Symbols: HAP, NR1B2, RRB2

Protein Interaction Partner: RXRG, RXRB, MEOX2, ITGB1BP2, PRKD2, SMAD2, CCNH, HACE1, PNRC1, NCOR2, EIF3I, NCOA1, MAP6, SRC, RXRA, HR, GATA3, NCOA3, CEBPB, CEBPA, NR4A2, DNMT3B, DNMT3A, DNMT1, HIST4H4, HDAC1,

Protein Size: 448

Molecular Weight: 50 kDa

Gene ID: 5915

NCBI Accession: [NM_000965](#), [NP_000956](#)

UniProt: [P10826](#)

Pathways: [Nuclear Receptor Transcription Pathway](#), [Retinoic Acid Receptor Signaling Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

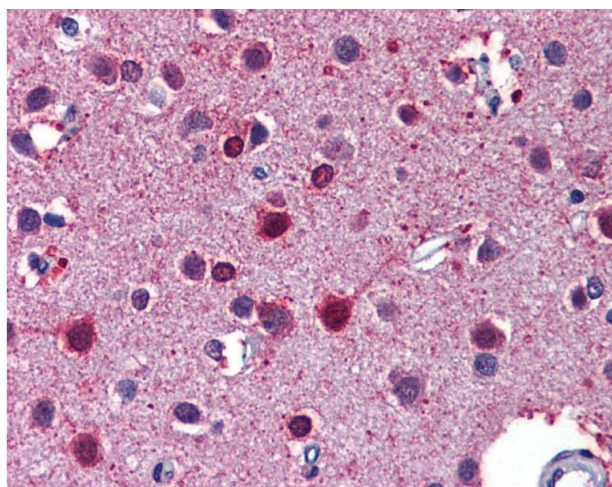
Comment: Antigen size: 448 AA

Restrictions: For Research Use only

Handling

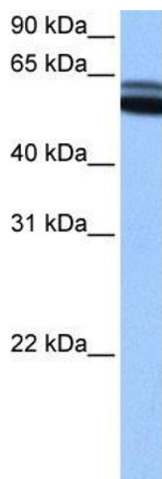
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



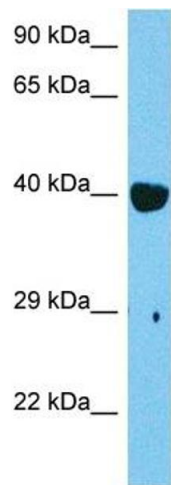
Immunohistochemistry

Image 1. IHC Information: Paraffin embedded brain, cortex tissue, tested with an antibody dilution of 5 ug/ml.



Western Blotting

Image 2. WB Suggested Anti-RARB Antibody Titration: 0.2-1 ug/ml Positive Control: Human brain



Western Blotting

Image 3. Host: Mouse Target Name: RARB Sample Tissue: Mouse Skeletal Muscle Antibody Dilution: 1ug/ml