



[Go to Product page](#)

Datasheet for ABIN361388

## anti-Retinoic Acid Receptor beta antibody (N-Term)

### 2 Images

#### Overview

Quantity:	100 µL
Target:	Retinoic Acid Receptor beta (RARβ)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Retinoic Acid Receptor beta antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	Synthetic peptide corresponding to amino acid residues from the N-terminal region conjugated to KLH
Clone:	336
Isotype:	IgG1
Specificity:	Specific for the ~48k RAR-( isotype.
Cross-Reactivity:	Human, Rat (Rattus)
Predicted Reactivity:	canine, guinea pig, mouse, non-human primate
Purification:	Protein G purified culture supernatant

## Target Details

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Target:	Retinoic Acid Receptor beta (RARβ)
Alternative Name:	RARB ( <a href="#">RARβ Products</a> )
Background:	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 (Joshi et al., 2005). The Retinoid X receptors (RXRs) family (RXRα, β and γ) preferentially bind 9-cis-RA and regulate gene transcription by forming heterodimers with a second family of RA receptors (RARs). RAs have been suggested to potentially play a therapeutic role in cervical cancer (Abu et al., 2005). 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 (Lane and Bailey, 2005). Anti- Retinoic Acid Receptor, (Isotype Western blot of hippocampal lysate showing specific immunolabeling of the ~48k RAR-β isotype.
Molecular Weight:	~48 kDa
Gene ID:	5915
UniProt:	<a href="#">P10826</a>
Pathways:	<a href="#">Nuclear Receptor Transcription Pathway</a> , <a href="#">Retinoic Acid Receptor Signaling Pathway</a> , <a href="#">Steroid Hormone Mediated Signaling Pathway</a>

## Application Details

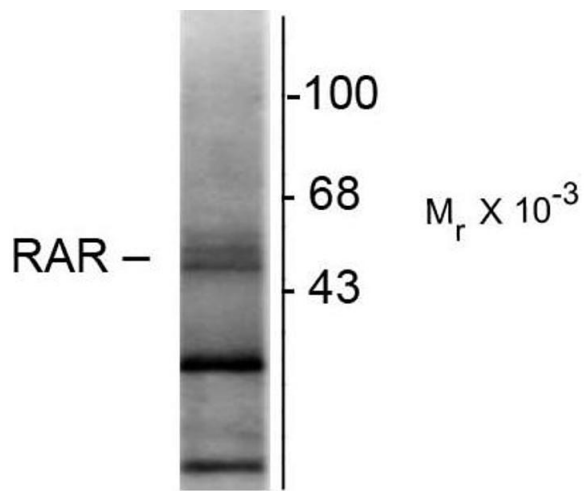
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Application Notes:	Recommended Dilution: WB: 1:1000 Quality Control: Western blots performed on each lot.
Restrictions:	For Research Use only

## Handling

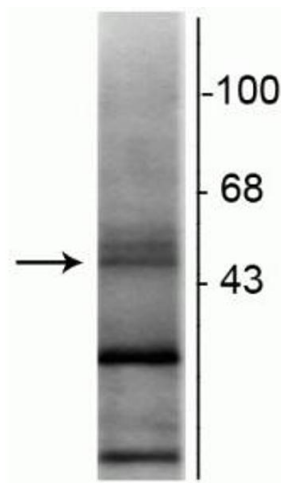
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Format:	Liquid
Buffer:	100 µL in 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50 % glycerol.
Storage:	-20 °C



#### Western Blotting

**Image 1.** Western blots of hippocampal lysate showing specific immunolabeling of the ~48k RAR-β isotype.



#### Western Blotting

**Image 2.** Western blot of rat hippocampal lysate showing specific immunolabeling of the ~48 kDa RAR-β isotype.