

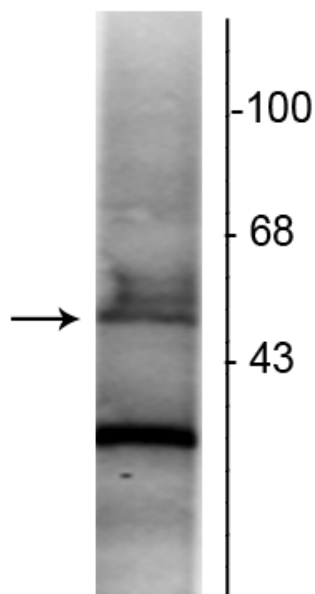
Product Datasheet

Anti-Retinoic Acid Receptor, α -Isotype

Overview

Catalog #	1330-RXRA
Host Species	Mouse Monoclonal
Isotype	IgG ₁
Clone	763
Format	Protein G Purified
Applications	WB 1:1000
Species Tested	Human, Mouse and Rat
Expected Reactivity	Bovine, Canine, Guinea Pig
Immunogen	Synthetic peptide corresponding to amino acid residues from the N-terminal region of human retinoic acid receptor, α -isotype, conjugated to keyhole limpet hemocyanin (KLH).
Molecular Weight	48 kDa
Cite this Antibody	PhosphoSolutions Cat# 1330-RXRA, RRID:AB_2492228

Images



Western blot of rat hippocampal lysate showing specific immunolabeling of the ~48 kDa RAR- α protein.

Details

Target Description	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 (RXR α , β and γ), preferentially bind 9-cis-RA and regulate gene transcription by forming heterodimers with a second family of RA receptors. 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).
Specificity	Specific for endogenous levels of the ~48 kDa RAR- α isotype.
Production/Purification	Prepared from tissue culture supernatant by ammonium sulfate precipitation followed by purification on a Protein G column.
Quality Control	Western blots performed on each lot.
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 μ g per ml BSA and 50% glycerol.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol.
Stability	After date of receipt, stable for at least 1 year at -20°C.

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