

Datasheet for 200-301-E27**Retinoid X Receptor beta Antibody****Overview**

Description:	Anti-Retinoid X Receptor beta (MOUSE) Monoclonal Antibody - 200-301-E27
Item No.:	200-301-E27
Size:	100 µL
Applications:	WB
Reactivity:	Mouse, Rat
Host Species:	Mouse

Product Details

Background:	Retinoid X Receptor beta antibody detects RXR- β . 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. 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. Anti-Retinoid X Receptor beta antibody is ideal for investigators involved in Cancer, Neuroscience, Signal Transduction research.
Synonyms:	Nuclear receptor subfamily 2 group B member 2, Retinoid X receptor beta, RXR- β
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	147
Format:	IgG1

Target Details

Gene Name:	RXRB
Reactivity:	Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-Retinoid X Receptor b-Isotype Monoclonal Antibody was produced in mouse by repeated immunizations with Retinoid X Receptor- Synthetic peptide corresponding to amino acid residues from the reported hinge region.
Purity/Specificity:	Anti-Retinoid X Receptor beta antibody is directed against RXR- β . Retinoid X Receptor beta antibodies are Protein G purified from cell culture supernatant. This antibody is directed against mouse retinoid x receptor beta protein. Cross reactivity is expected against Rat. The cross reactivity to from other species has not been determined.
Relevant Links:	• UniProtKB - P28702 • GeneID - 6257 • UniProtKB - P28702.2

Application Details

Tested Applications:	WB
Application Note:	Anti-Retinoid X Receptor beta antibody has been tested by Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band of approximately 48 kDa in size corresponding to the RXR- β protein in the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	1:1000

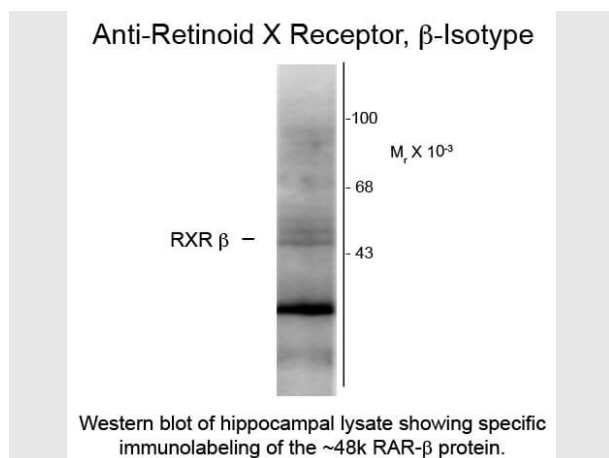
Formulation

Physical State:	Liquid
Buffer:	0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5
Stabilizer:	0.1 mg/ml Bovine Serum Albumin (BSA) - IgG and Protease free, 50% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Mouse anti-Retinoid X Receptor beta antibody. Lane 1: hippocampal lysate. Lane 2: none. Load: 10 μ g per lane. Primary antibody: Retinoid X Receptor beta antibody at 1:1,000 for overnight at 4°C. Secondary antibody: IRDye800™ mouse secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 48 kDa for Retinoid X Receptor beta. Other band(s): Retinoid X Receptor beta splice variants and isoforms.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.