

Product datasheet

Anti-Retinoid X Receptor beta/RXRβ antibody [PCRP-RXRβ-2B6] ab277104

[6 Images](#)

Overview

Product name	Anti-Retinoid X Receptor beta/RXRβ antibody [PCRP-RXRβ-2B6]
Description	Mouse monoclonal [PCRP-RXRβ-2B6] to Retinoid X Receptor beta/RXRβ
Host species	Mouse
Tested applications	Suitable for: Protein Array, IHC-P, Flow Cyt, ICC
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein corresponding to Human Retinoid X Receptor beta/RXRβ. Database link: P28702
Positive control	Flow cyt: U87, and HeLa cells. ICC: HeLa, and K562 cells. IHC-P: Human lymph node tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide Constituents: 0.05% BSA, 99.9% PBS
Purity	Protein A/G purified
Purification notes	Purified from bioreactor concentrate
Clonality	Monoclonal
Clone number	PCRP-RXRβ-2B6
Isotype	IgG2a

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab277104 in the following tested applications.

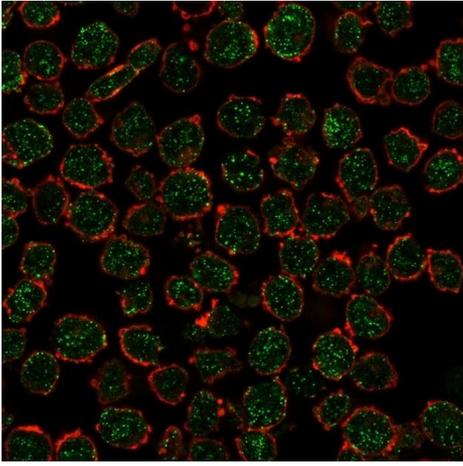
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Protein Array		Use at an assay dependent concentration.
IHC-P		Use a concentration of 1 - 2 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
Flow Cyt		Use 1-2µg for 10 ⁶ cells.
ICC		Use a concentration of 1 - 2 µg/ml.

Target

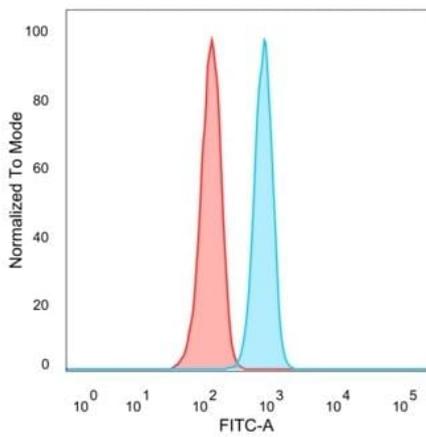
Function	Receptor for retinoic acid. Retinoic acid receptors bind as heterodimers to their target response elements in response to their ligands, all-trans or 9-cis retinoic acid, and regulate gene expression in various biological processes. The RAR/RXR heterodimers bind to the retinoic acid response elements (RARE).
Tissue specificity	Expressed in a variety of tumor cell lines.
Sequence similarities	Belongs to the nuclear hormone receptor family. NR2 subfamily. Contains 1 nuclear receptor DNA-binding domain.
Domain	Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal ligand-binding domain.
Cellular localization	Nucleus.

Images



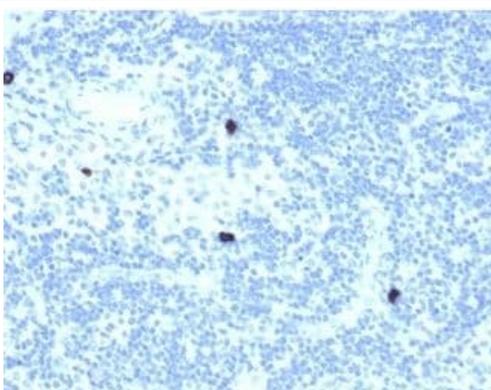
Immunocytochemistry - Anti-Retinoid X Receptor beta/RXRB antibody [PCRP-RXR-2B6] (ab277104)

Immunofluorescence analysis of PFA-fixed K562 (human chronic myelogenous leukemia cell line from bone marrow) cells labeling Retinoid X Receptor beta/RXRB with ab277104 at 2 $\mu\text{g/ml}$, followed by goat anti-mouse IgG-CF488 (green); phalloidin counterstain (red).



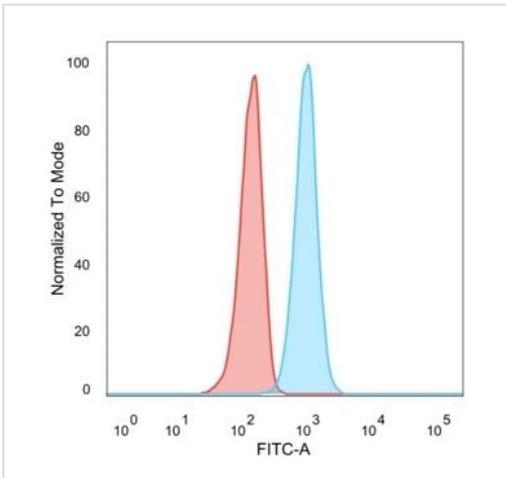
Flow Cytometry - Anti-Retinoid X Receptor beta/RXRB antibody [PCRP-RXR-2B6] (ab277104)

Flow cytometry analysis of PFA-fixed HeLa (human epithelial cell line from cervix adenocarcinoma) cells labeling Retinoid X Receptor beta/RXRB using ab277104 at 2 $\mu\text{g} / 10^6$ cells followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).



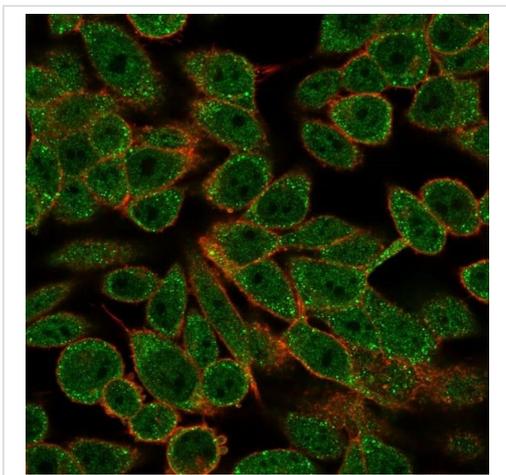
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Retinoid X Receptor beta/RXRB antibody [PCRP-RXR-2B6] (ab277104)

Formalin-fixed, paraffin-embedded human lymph node tissue stained for Retinoid X Receptor beta/RXRB using ab277104 at 2 $\mu\text{g/ml}$ in immunohistochemical analysis.



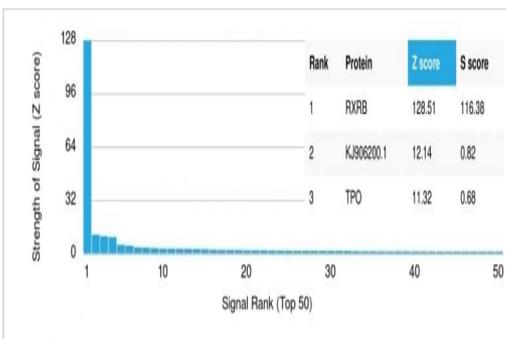
Flow Cytometry - Anti-Retinoid X Receptor
beta/RXRβ antibody [PCRP-RXRβ-2B6] (ab277104)

Flow cytometry analysis of PFA-fixed U87 (human glioblastoma-astrocytoma epithelial cell line) cells labeling Retinoid X Receptor beta/RXRβ using ab277104 at 2 μg / 10⁶ cells followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).



Immunocytochemistry - Anti-Retinoid X Receptor
beta/RXRβ antibody [PCRP-RXRβ-2B6] (ab277104)

Immunofluorescence analysis of PFA-fixed HeLa (human epithelial cell line from cervix adenocarcinoma) cells labeling Retinoid X Receptor beta/RXRβ with ab277104 at 2 μg/ml, followed by goat anti-mouse IgG-CF488 (green); phalloidin counterstain (red).



Protein Array - Anti-Retinoid X Receptor beta/RXRβ
antibody [PCRP-RXRβ-2B6] (ab277104)

Analysis of Protein Array containing more than 19,000 full-length human proteins using ab277104.

Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a

MAB binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAB to protein X is equal to 29.

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