abcam

Product datasheet

Anti-Retinoid X Receptor beta/RXRB antibody [PCRP-RXRB-2B6] - BSA and Azide free ab277119

6 Images

Overview

Product name	Anti-Retinoid X Receptor beta/RXRB antibody [PCRP-RXRB-2B6] - BSA and Azide free
Description	Mouse monoclonal [PCRP-RXRB-2B6] to Retinoid X Receptor beta/RXRB - BSA and Azide free
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/RXRB. Database link: P28702
Positive control	Flow cyt: U87, HeLa cells. ICC: HeLa, K562 cells. IHC-P: Human lymph node tissue.
General notes	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. 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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Constituent: 100% PBS
Carrier free	Yes
Purity	Protein A/G purified
Purification notes	Purified from bioreactor concentrate
Clonality	Monoclonal
Clone number	PCRP-RXRB-2B6
Isotype	IgG2a

Applications

The Abpromise guarantee Our Abpromise guarantee covers the use of ab277119 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 at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
Flow Cyt		Use at an assay dependent concentration.
ICC		Use at an assay dependent concentration.

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).

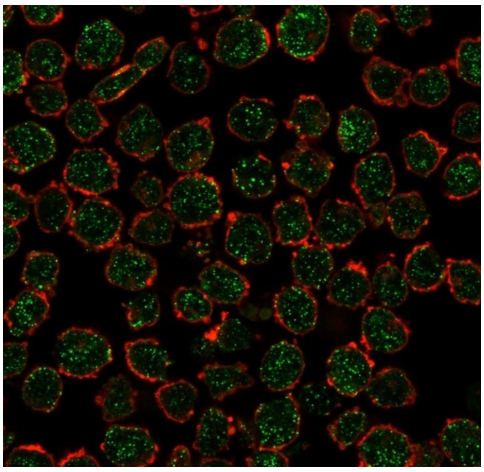
Tissue specificity Expressed in a variety of tumor cell lines.

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.

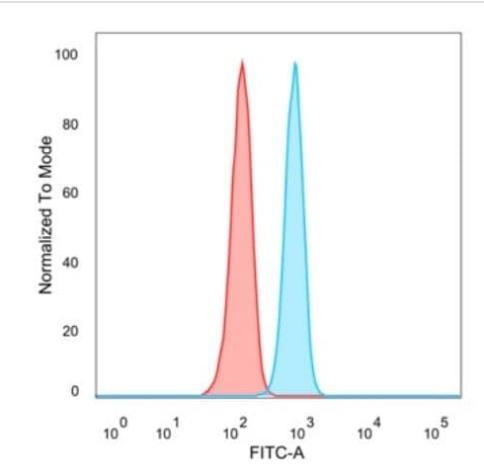
Images



Immunocytochemistry - Anti-Retinoid X Receptor beta/RXRB antibody [PCRP-RXRB-2B6] - BSA and Azide free (ab277119)

This data was developed using ab277104, the same antibody clone in a different buffer formulation.

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 µg/ml, followed by goat anti-mouse IgG-CF488 (green); phalloidin counterstain (red).



Flow Cytometry - Anti-Retinoid X Receptor beta/RXRB antibody [PCRP-RXRB-2B6] - BSA and Azide free (ab277119)

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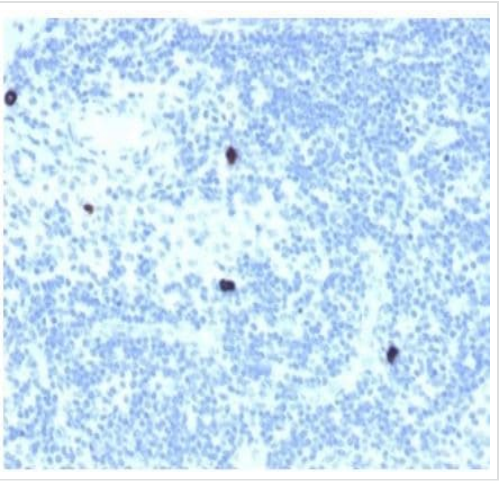
Flow cytometry analysis of PFA-fixed HeLa (human epithelial cell line from cervix adenocarcinoma) cells labeling Retinoid X Receptor beta/RXRB using ab277104 at 2 µg/10^6 cells followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Retinoid X Receptor beta/RXRB antibody [PCRP-RXRB-2B6] - BSA and Azide free (ab277119)

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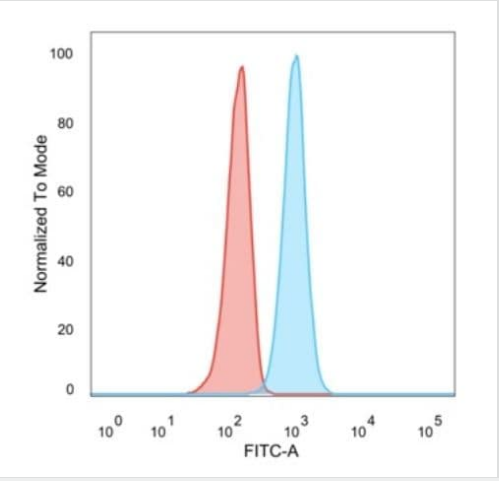
Formalin-fixed, paraffin-embedded human lymph node tissue stained for Retinoid X Receptor beta/RXRB using ab277104 at 2 µg/ml in immunohistochemical analysis.



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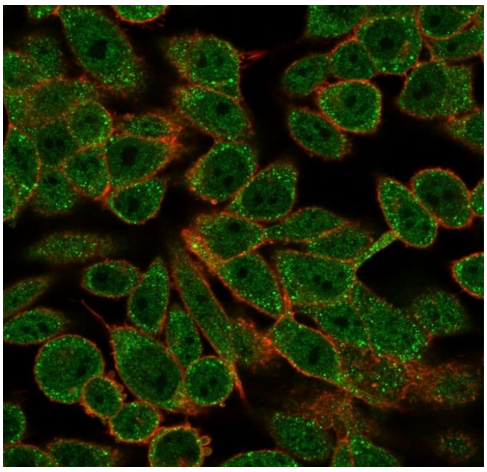
Flow cytometry analysis of PFA-fixed U87 (human glioblastoma-astrocytoma epithelial cell line) cells labeling Retinoid X Receptor beta/RXRB using ab277104 at 2 µg/10^6 cells followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).



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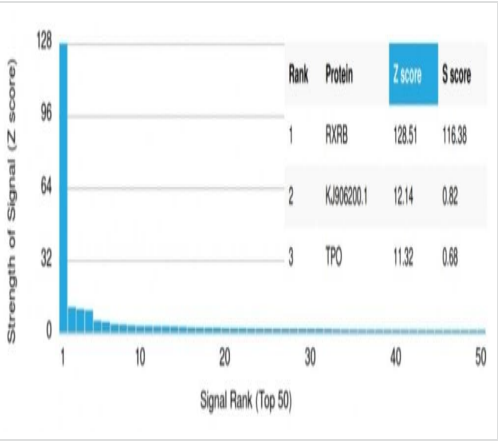

Protein Array - Anti-Retinoid X Receptor beta/RXRB antibody [PCRP-RXRB-2B6] - BSA and Azide free (ab277119)

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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 HuProtTM 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 HuProtTM 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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- We investigate all quality concerns to ensure our products perform to the highest standards

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