

Datasheet for ABIN6264705

anti-Retinoic Acid Receptor beta antibody (Internal Region)[Go to Product page](#)

4 Images

Overview

| | |
|----------------------|--------------------------------------------------------------------------------------------------------------|
| Quantity: | 100 µL |
| Target: | Retinoic Acid Receptor beta (RARβ) |
| Binding Specificity: | Internal Region |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Retinoic Acid Receptor beta antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC) |

Product Details

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|-----------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Immunogen: | A synthesized peptide derived from human Retinoic Acid Receptor beta, corresponding to a region within the internal amino acids. |
| Isotype: | IgG |
| Specificity: | Retinoic Acid Receptor beta Antibody detects endogenous levels of total Retinoic Acid Receptor beta. |
| Predicted Reactivity: | Bovine,Horse,Sheep,Rabbit,Dog,Chicken,Xenopus |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |

Target Details

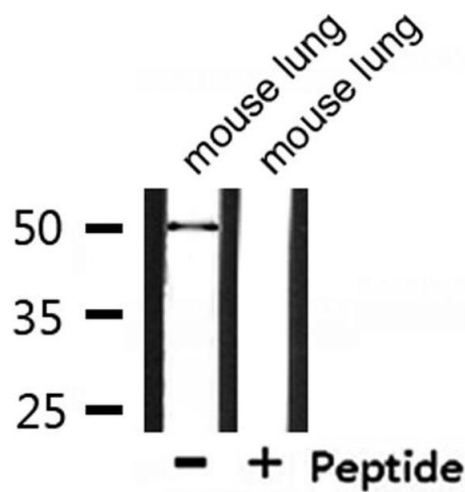
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| Target: | Retinoic Acid Receptor beta (RARβ) |
| Alternative Name: | RARB (RARβ Products) |
| Background: | <p>Description: Receptor for retinoic acid. Retinoic acid receptors bind as heterodimers to their target response elements in response to their ligands, all-trans or 9-cis retinoic acid, and regulate gene expression in various biological processes. The RXR/RAR heterodimers bind to the retinoic acid response elements (RARE) composed of tandem 5'-AGGTCA-3' sites known as DR1-DR5. In the absence or presence of hormone ligand, acts mainly as an activator of gene expression due to weak binding to corepressors. In concert with RARG, required for skeletal growth, matrix homeostasis and growth plate function.</p> <p>Gene: RARB</p> |
| Molecular Weight: | 50kDa |
| Gene ID: | 5915 |
| UniProt: | P10826 |
| Pathways: | Nuclear Receptor Transcription Pathway , Retinoic Acid Receptor Signaling Pathway , Steroid Hormone Mediated Signaling Pathway |

Application Details

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|--------------------|---------------------------------------------------------------------------------------|
| Application Notes: | WB: 1:500-1:3000, IHC: 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000 |
| Restrictions: | For Research Use only |

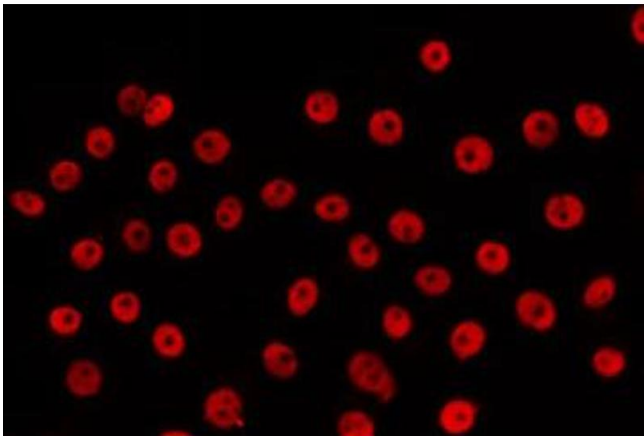
Handling

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|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20 °C. Stable for 12 months from date of receipt. |



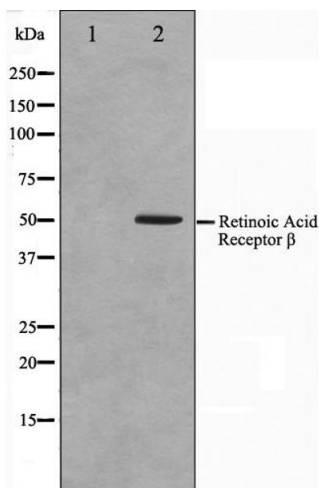
Western Blotting

Image 1. Western blot analysis of extracts from mouse lung, using Retinoic Acid Receptor beta Antibody.



Immunofluorescence (fixed cells)

Image 2. ABIN6266630 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



Western Blotting

Image 3. Western blot analysis on HepG2 cell lysate using Retinoic Acid Receptor beta Antibody, The lane on the left is treated with the antigen-specific peptide.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6264705.