

A19105

Leader in Biomolecular Solutions for Life Science



# RXR $\alpha$ Rabbit mAb

Catalog No.: A19105

Recombinant

8 Publications

## Basic Information

### Observed MW

60kDa

### Calculated MW

51kDa

### Category

SMab Recombinant Monoclonal Antibody

### Applications

WB,IF/ICC,IP,ChIP,ChIP-seq,ELISA

### Cross-Reactivity

Human,Mouse,Rat

### CloneNo number

ARC0468

## Background

Retinoid X receptors (RXRs) and retinoic acid receptors (RARs) are nuclear receptors that mediate the biological effects of retinoids by their involvement in retinoic acid-mediated gene activation. These receptors function as transcription factors by binding as homodimers or heterodimers to specific sequences in the promoters of target genes. The protein encoded by this gene is a member of the steroid and thyroid hormone receptor superfamily of transcriptional regulators. Alternative splicing of this gene results in multiple transcript variants.

## Recommended Dilutions

**WB** 1:1000 - 1:2000

**IF/ICC** 1:100 - 1:1000

**IP** 0.5 $\mu$ g-4 $\mu$ g antibody for 200 $\mu$ g-400 $\mu$ g extracts of whole cells

**ELISA** Recommended starting concentration is 1  $\mu$ g/mL. Please optimize the concentration based on your specific assay requirements.

**ChIP** 5 $\mu$ g antibody for 10 $\mu$ g-15 $\mu$ g of Chromatin

**ChIP-seq** 1:50 - 1:100

## Immunogen Information

### Gene ID

6256

### Swiss Prot

P19793

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human RXR $\alpha$  (P19793).

### Synonyms

NR2B1; RXRalpha; RXR-alpha; RXR $\alpha$

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

## Contact

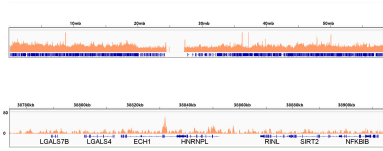
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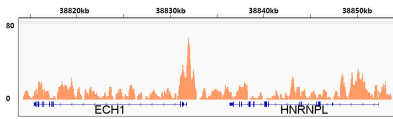
[www.abclonal.com](http://www.abclonal.com)

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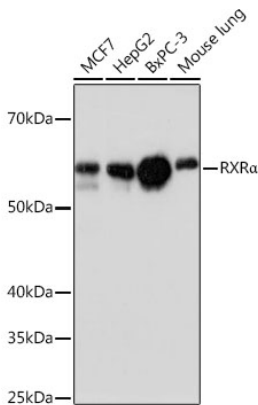
## Validation Data



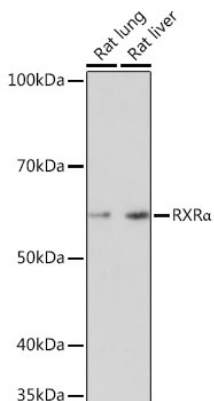
Chromatin immunoprecipitation was performed with 25 µg of cross-linked chromatin from HepG2 cells using 5 µg of RXRα Rabbit mAb (A19105). DNA libraries were prepared using Scale ssDNA-seq Lib Prep Kit for Illumina V2 (RK20228). The ChIP sequencing results indicate the enrichment pattern of RXRα across chromosome 19 (upper panel) and the genomic region encompassing ECH1, a representative gene enriched in RXRα (lower panel).



Chromatin immunoprecipitation was performed with 25 µg of cross-linked chromatin from HepG2 cells using 5 µg of RXRα Rabbit mAb (A19105). DNA libraries were prepared using Scale ssDNA-seq Lib Prep Kit for Illumina V2 (RK20228). The ChIP sequencing results indicate the enrichment pattern of RXRα in the representative genomic region surrounding ECH1 gene.

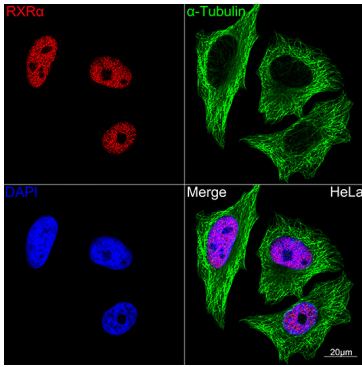


Western blot analysis of various lysates using RXRα Rabbit mAb (A19105) at 1:1000 dilution.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 3min.

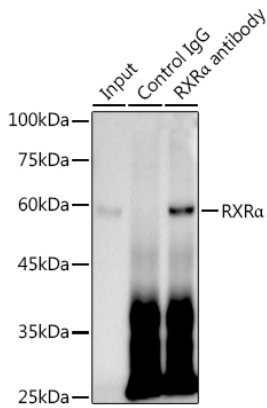


Western blot analysis of various lysates using RXRα Rabbit mAb (A19105) at 1:1000 dilution.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Enhanced Kit (RM00021).  
 Exposure time: 90s.

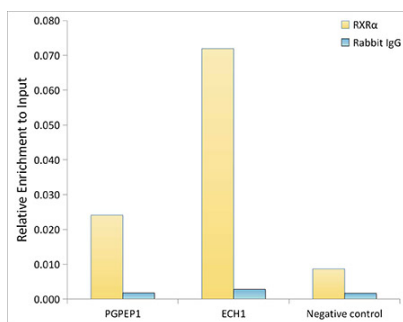
## Validation Data



Confocal imaging of HeLa cells using RXR $\alpha$  Rabbit mAb (A19105, dilution 1:100) (Red). The cells were counterstained with  $\alpha$ -Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.



Immunoprecipitation analysis of 300  $\mu$ g extracts from HepG2 cells using 3  $\mu$ g RXR $\alpha$  antibody (A19105). Western blot was performed from the immunoprecipitate using RXR $\alpha$  antibody (A19105) at a dilution of 1:1000.



Chromatin immunoprecipitation analysis of extracts from HepG2 cells, using RXR $\alpha$  antibody (A19105) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.