

A19105

Leader in Biomolecular Solutions for Life Science



RXR α Rabbit mAb

Catalog No.: A19105

Recombinant

10 Publications

Basic Information

Observed MW

51kDa

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 μ g-4 μ g antibody for
200 μ g-400 μ g extracts
of whole cells**ELISA** Recommended starting
concentration is 1
 μ g/mL. Please optimize
the concentration
based on your specific
assay requirements.**ChIP** 5 μ g antibody for
10 μ g-15 μ 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 α (P19793).

Synonyms

NR2B1; RXRalpha; RXR-alpha; RXR α

Product Information

Source
Rabbit**Isotype**
IgG**Purification**
Affinity purification

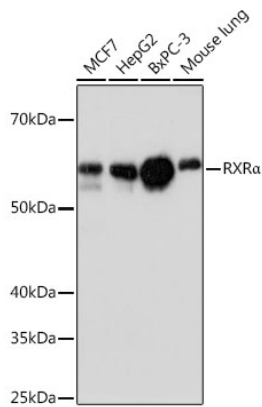
Storage

Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

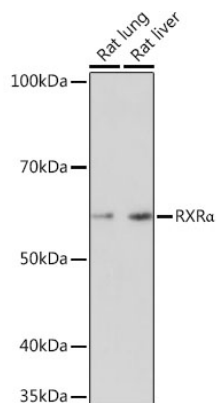
Contact

www.abclonal.com

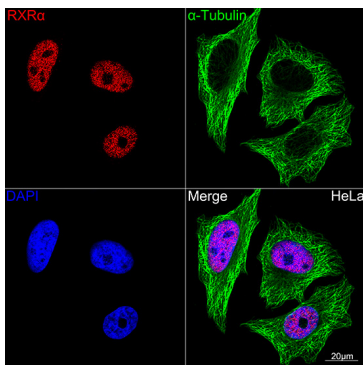
Validation Data



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.

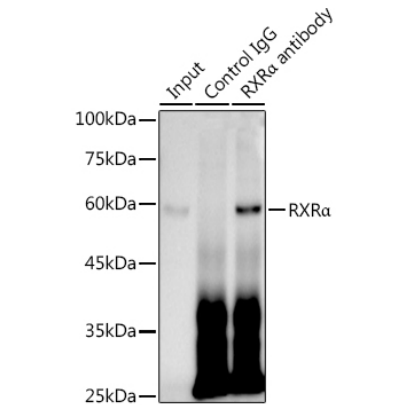


Western blot analysis of various lysates using RXRα Rabbit mAb (A19105) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure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

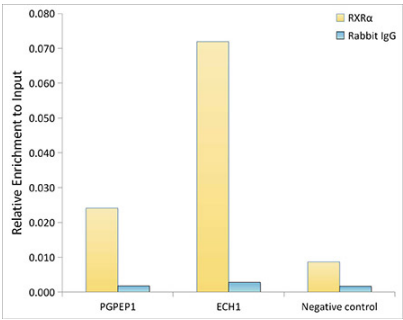


Confocal imaging of HeLa cells using RXRα Rabbit mAb (A19105, dilution 1:100) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.

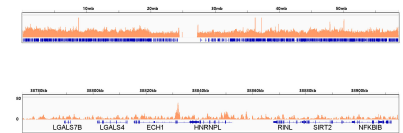
Validation Data



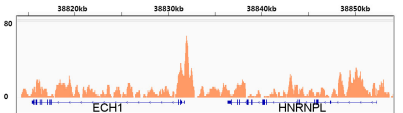
Immunoprecipitation analysis of 300 µg extracts from Hep G2 cells using 3 µg RXRα antibody (A19105). Western blot was performed from the immunoprecipitate using RXRα antibody (A19105) at a dilution of 1:1000.



Chromatin immunoprecipitation analysis of extracts from Hep G2 cells, using RXRα 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.



Chromatin immunoprecipitation was performed with 25 µg of cross-linked chromatin from Hep G2 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 Hep G2 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.