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RXRα Rabbit mAb

Catalog No.: A19105 Recombinant 10 Publications

Basic Information

Observed MW
51kDa

Calculated MW
51kDa

Category
Primary antibody

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

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	0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.
ChIP	5μg antibody for 10μg-15μg of Chromatin
ChIP-seq	1:50 - 1:100

Immunogen Information

Gene ID
6256

Swiss Prot
P19793

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
NR2B1; RXRalpha; RXR-alpha; RXRα

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

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

Contact

400-999-6126

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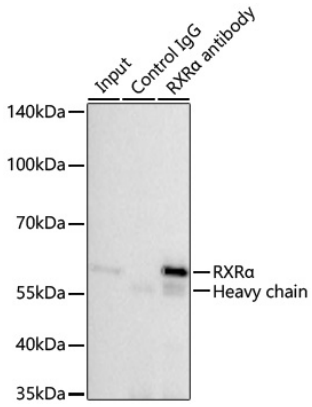
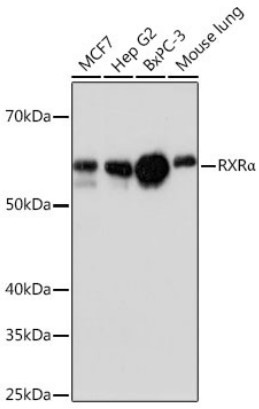
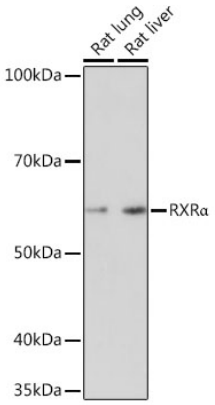
Validation Data



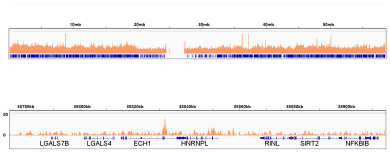
Immunoprecipitation of RXRα from 600 µg extracts of Hep G2 cells was performed using 3 µg of RXRα Rabbit mAb (A19105). Rabbit IgG isotype control (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1X reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using RXRα Rabbit mAb (A19105) at a dilution of 1:500.



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.

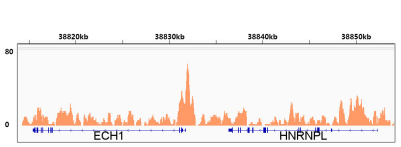


Western blot analysis of various lysates using RXRα Rabbit mAb (A19105) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure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

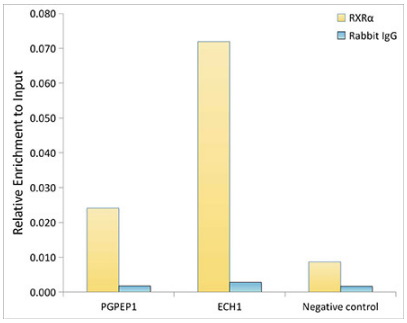


Chromatin immunoprecipitation was performed with 25 µg of cross-linked chromatin from Hep G2 cells using 5 µg of RXRα Rabbit mAb (A19105). DNA libraries were prepared using Scale ssDNA-seq Lib Prep Kit for Illumina V2 (RK20228). The ChIP sequencing results indicate the enrichment pattern of RXRα across chromosome 19 (upper panel) and the genomic region encompassing ECH1, a representative gene enriched in RXRα (lower panel).

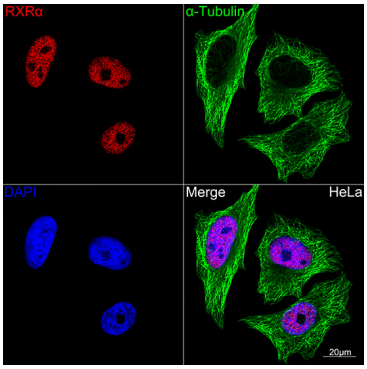
Validation Data



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.



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



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.