

Anti-RXRA antibody (1-100) [S2MR] (STJ11101642)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IF/ICC/IP/ELISA/ChIP/ChIP-seq
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

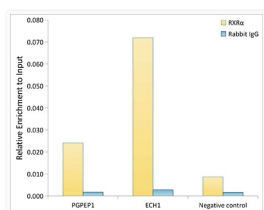
Clonality	Monoclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:1000-1:2000 IF/CC:1:100-1:1000 IP:0.5 Mu g-4 Mu g antibody for 200 Mu g-400 Mu g extracts of whole cells ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requireme
Formulation	PBS with 0.02% Sodium Azide, 0.05% BSA, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 51kDa Observed Mw: 60kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

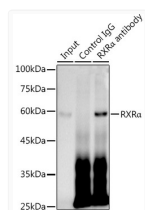
Gene ID	6256
Gene Symbol	RXRA
UniProt ID	RXRA_HUMAN
Immunogen Region	1-100
Immunogen Sequence	MDTKHFLPLDFSTQVNSSLT SPTGRGSMAPSLHPSLGGP IGSPGQLHSPISTLSSPING MGPPFSVISSPMGPHSMSVP TTPTLGFSTGSPQLSSPMNP
Specificity	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human RXR Alpha (P19793).

ADDITIONAL INFORMATION

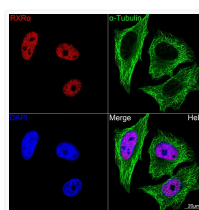
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



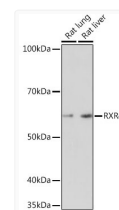
Chromatin immunoprecipitation analysis of extracts from HepG2 cells, using RXR Alpha antibody (STJ11101642) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



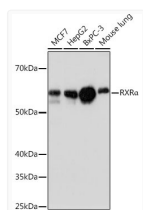
Immunoprecipitation analysis of 300 Mu g extracts from HepG2 cells using 3 Mu g RXR Alpha antibody (STJ11101642). Western blot was performed from the immunoprecipitate using RXR Alpha antibody (STJ11101642) at a dilution of 1:1000.



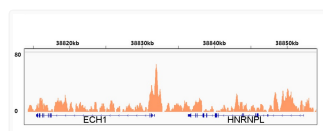
Confocal imaging of HeLa cells using RXR Alpha Rabbit monoclonal antibody (STJ11101642, dilution 1:100) (Red). The cells were counterstained with Alpha-Tubulin Mouse monoclonal antibody (dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.



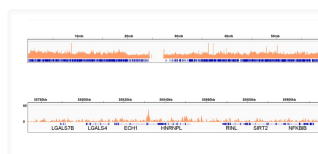
Western blot analysis of various lysates using RXR Alpha Rabbit monoclonal antibody (STJ11101642) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 90s.



Western blot analysis of various lysates using RXR Alpha Rabbit monoclonal antibody (STJ11101642) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 3min.



Chromatin immunoprecipitation was performed with 25 Mu g of cross-linked chromatin from HepG2 cells using 5 Mu g of RXR Alpha Rabbit monoclonal antibody (STJ11101642). DNA libraries were prepared using Scale ssDNA-seq Lib Prep Kit for Illumina V2 (RK20228). The ChIP sequencing results indicate the enrichment pattern of RXR Alpha in the representative genomic region surrounding ECH1 gene.



Chromatin immunoprecipitation was performed with 25 Mu g of cross-linked chromatin from HepG2 cells using 5 Mu g of RXR Alpha Rabbit monoclonal antibody (STJ11101642). DNA libraries were prepared using Scale ssDNA-seq Lib Prep Kit for Illumina V2 (RK20228). The ChIP sequencing results indicate the enrichment pattern of RXR Alpha across chromosome 19 (upper panel) and the genomic region encompassing ECH1, a representative gene enriched in RXR Alpha (lower panel).