

RXRA Monoclonal Antibody (K8508)

Product Details

Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Human, Mouse
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	K8508
Conjugate	Unconjugated
Immunogen	Produced in BALB/c mouse ascites after inoculation with hybridoma of mouse myeloma cells (NS-1) and spleen cells derived from a BALB/c mouse immunized with Baculovirus-expressed recombinant human RXR--alpha (2-133 aa).
Form	Liquid
Concentration	1 mg/mL
Purification	Ammonium sulfate precipitation
Storage buffer	physiological saline
Contains	0.1% sodium azide
Storage conditions	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C
RRID	AB_2532208

Applications	Tested Dilution	Publications
Western Blot (WB)	2 µg/mL	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	3-20 µg/mL	-
Immunocytochemistry (ICC/IF)	5 µg/mL	-
ELISA (ELISA)	0.1 µg/mL	-
Immunoprecipitation (IP)	Assay-dependent	-
ChIP assay (ChIP)	Assay-dependent	1 Publication
Gel Shift (GS)	Assay-dependent	-

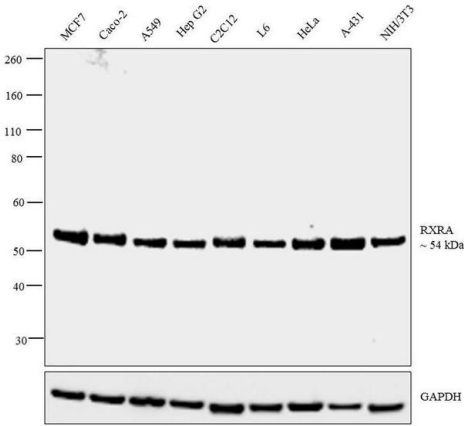
Product Specific Information

This antibody specifically recognizes human RXR alpha and cross reacts with mouse and rat RXR alpha. This antibody does not recognize human RXR beta and gamma.

Product Images For RXRA Monoclonal Antibody (K8508)

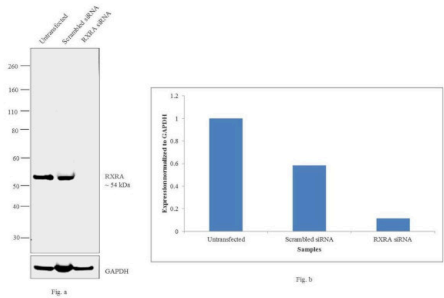
RXRA Antibody (433900) in WB

Western blot analysis was performed on nuclear enriched extracts (30 µg lysate) of MCF7 (Lane 1), Caco-2 (Lane 2), A549 (Lane 3), Hep G2 (Lane 4), C2C12 (Lane 5), L6 (Lane 6), HeLa (Lane 7), A-431 (Lane 8) and NIH/3T3 (Lane 9). The blot was probed with Anti-RXRA Monoclonal Antibody (Product # 433900, 1 µg /mL) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.25 µg /mL, 1:4000 dilution). A 54 kDa band corresponding to RXRA was observed across the cell lines tested.



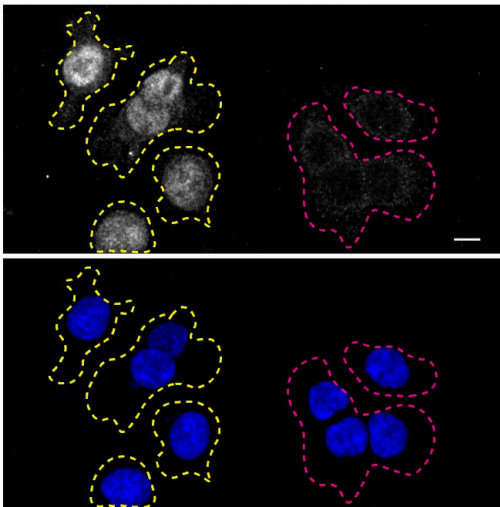
RXRA Antibody (433900)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. MCF7 cells were transfected with RXRA siRNA and decrease in signal was observed in Western Blot using Anti-RXRA Monoclonal Antibody (Product # 433900). {KD}



RXRA Antibody (433900)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. Loss of signal in immunofluorescence was observed for target protein in RXR-alpha knockout (KO) cell line using Anti-RXR-alpha monoclonal antibody (Product # 433900). Parental cells were transfected with CellTracker green (Product # C2925) and RXR-alpha KO with CellTracker Deep Red (Product # C34565). Data courtesy of YCharOS Inc., an open science company with the mission of characterizing commercially available antibodies using knockout validation. {KO}



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Western Blot (1)

<p>Nucleic acids research</p> <p>Enhancer architecture-dependent multilayered transcriptional regulation orchestrates RA signaling-induced early lineage differentiation of ESCs.</p> <p>"433900 was used in Western Blotting to reveal complex transcriptional regulation involving synergistic regulation by enhancers, transcription factors and lncRNA."</p> <p>Authors: Su G,Wang W,Zhao X,Chen J,Zheng J,Liu M,Bi J,Guo D,Chen B,Zhao Z,Shi J,Zhang L,Lu W</p>	<p>Year 2021</p> <p>Species Mouse</p> <p>Dilution 1:1,000</p>
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ChIP assay (1)

<p>Cell reports</p> <p>Macrophages activated by hepatitis B virus have distinct metabolic profiles and suppress the virus via IL-1 to downregulate PPAR and FOXO3.</p> <p>"433900 was used in ChIP assay to report that M1-like macrophages stimulated by HBV exhibit a strong HBV-suppressive effect, which is diminished in M2-like macrophages."</p> <p>Authors: Li Y,Zhu Y,Feng S,Ishida Y,Chiu TP,Saito T,Wang S,Ann DK,Ou JJ</p>	<p>Year 2022</p> <p>Species Human</p>
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