

# RARB Recombinant Rabbit Monoclonal Antibody (ARC1024)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	ARC1024
Conjugate	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 350-455 of human RAR (NP_0009562)
Form	Liquid
Concentration	1.15 mg/mL
Purification	Affinity Chromatography
Storage buffer	PBS, pH 7.3, with 50% glycerol, 0.05% BSA
Contains	0.02% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2849429

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
Immunocytochemistry (ICC/IF)	1:50-1:200	-

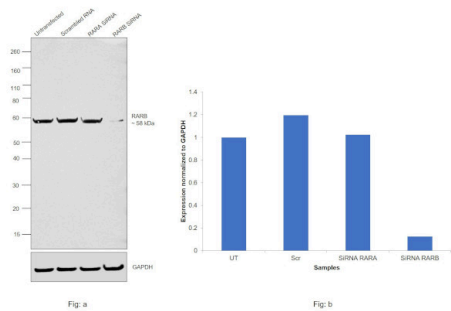
## Product Specific Information

Immunogen sequence: KLQEPLLEAL KIIYIRKRRPS KPHMFPKILM KITDLRSISA KGAERVITLK MEIPGSMPPPL IQEMLENSEG HEPLTPSSSG NTAEHSPSIS PSSVENSGVS QSPLVQ

Product Images For RARB Recombinant Rabbit Monoclonal Antibody (ARC1024)

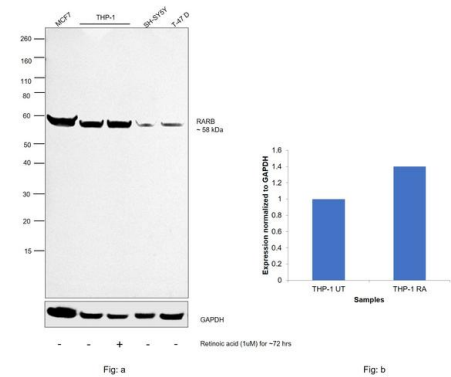
RARB Antibody (MA5-35529)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. T-47D cells were transfected with RARB siRNA and RARA siRNA and a decrease in signal intensity was observed only in RARB SiRNA transfected sample in Western Blot application using Anti-RARB Recombinant Rabbit Monoclonal Antibody (ARC1024) (Product # MA5-35529). RARA and RARB are reported to be at a similar molecular weight. The knockdown only in RARB SiRNA transfected sample and not in RARA SiRNA transfected sample shows the specificity of this antibody. {KD}



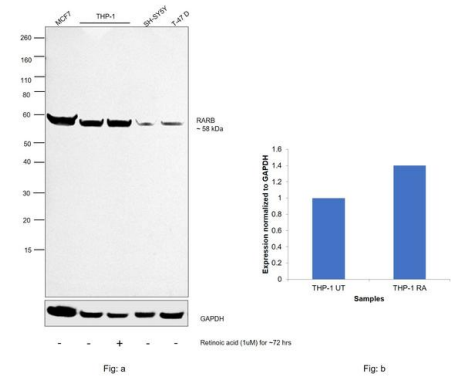
RARB Antibody (MA5-35529) in WB

Western blot was performed using Anti-RARB Recombinant Rabbit Monoclonal Antibody (ARC1024) (Product # MA5-35529) and a 58 kDa band corresponding to RARB was observed across the cell lines. Whole cell extracts (30 µg lysate) of MCF7 (Lane 1), THP-1 (Lane 2), THP-1 treated with retinoic acid at 1 µM for 72 hrs (Lane 3), SH-SY5Y (Lane 4), T-47D (Lane 5) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:20000 dilution) using the iBright™ FL1500 Imaging System (Product # A44115). Chemiluminescent detection was performed using SuperSignal™ West Pico PLUS Chemiluminescent Substrate (Product # 34580). Upon treatment of retinoic acid, the expression of RARB shows an increase as expected.



RARB Antibody (MA5-35529)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using RARB Recombinant Rabbit Monoclonal Antibody (ARC1024)(Product # MA5-35529), shows an increase in RARB expression upon treatment with 1 µM retinoic acid for 72 hrs. {TM}



View more figures on thermofisher.com

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.