

Citrate Synthase Recombinant Rabbit Monoclonal Antibody (3H8L26)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Expression system	Expi293
Class	Recombinant Monoclonal
Type	Antibody
Clone	3H8L26
Conjugate	Unconjugated
Immunogen	Protein corresponding to human Citrate Synthase [aa44-aa316]
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.09% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2762382

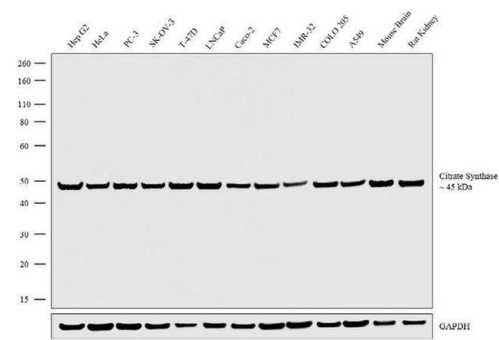
Applications	Tested Dilution	Publications
Western Blot (WB)	1:10,000	-
Immunocytochemistry (ICC/IF)	1:100	-

Product Specific Information

This antibody is predicted to react with Monkey, Cat, Horse.

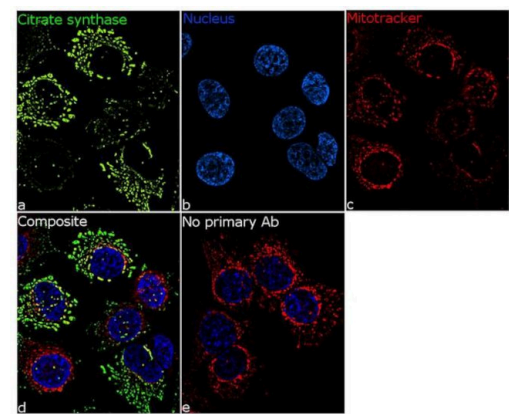
Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

Product Images For Citrate Synthase Recombinant Rabbit Monoclonal Antibody (3H8L26)



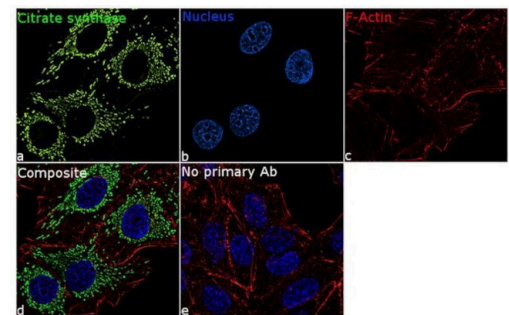
Citrate Synthase Antibody (703361) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of Hep G2 (Lane 1), HeLa (Lane 2), PC-3 (Lane 3), SK-OV-3 (Lane 4), T-47D (Lane 5), LNCaP (Lane 6), Caco-2 (Lane 7), MCF7 (Lane 8), IMR-32 (Lane 9), COLO 205 (Lane 10), A549 (Lane 11) and tissue extracts of Mouse Brain (Lane 12) and Rat Kidney (Lane 13). The blot was probed with Anti-Citrate Synthase Recombinant Rabbit Monoclonal Antibody (Product # 703361, 1:10,000 dilution) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4,000 dilution). A ~45 kDa band corresponding to Citrate Synthase was observed across the cell lines and tissues tested.



Citrate Synthase Antibody (703361) in ICC/IF

For immunofluorescence analysis, Hep G2 cells were fixed and permeabilized for detection of endogenous Citrate synthase using Anti-Citrate synthase Recombinant Rabbit Monoclonal Antibody (Product # 703361, 1:100) and labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034, 1:2000). Panel a) shows representative cells that were stained for detection and localization of Citrate synthase protein (green), Panel b) is stained for nuclei (blue) using ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). Panel c) represents mitochondrial staining using MitoTracker® Red CMXRos (Product # M7512). Panel d) is a composite image of Panels a, b and c clearly demonstrating co-localization of Citrate synthase with mitotracker which specifically binds to the mitochondria. Panel e) represents control cells without primary antibody to assess background. The images were captured at 60X magnification.



Citrate Synthase Antibody (703361) in ICC/IF

For immunofluorescence analysis, MCF7 cells were fixed and permeabilized for detection of endogenous Citrate Synthase using Anti-Citrate Synthase Recombinant Rabbit Monoclonal Antibody (Product # 703361, 1:100 dilution) and labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034, 1:2000). Panel a) shows representative cells that were stained for detection and localization of Citrate Synthase protein (green), Panel b) is stained for nuclei (blue) using ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). Panel c) represents cytoskeletal F-actin staining using Rhodamine Phalloidin (Product # R415, 1:300). Panel d) is a composite image of Panels a, b and c clearly demonstrating mitochondrial localization of Citrate Synthase. Panel e) represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

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.