

PKC delta Recombinant Rabbit Monoclonal Antibody (JJ093-02)

Product Details

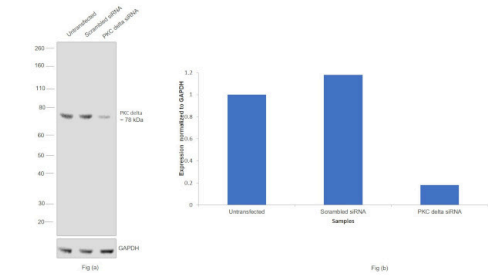
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Mouse, Human
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	JJ093-02
Conjugate	Unconjugated
Immunogen	Recombinant protein within mouse PKC delta aa 525-671
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	TBS, pH 7.4, with 40% Glycerol, 0.05% BSA
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2809759

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:2,000	-
Immunohistochemistry (IHC)	1:50-1:200	1 Publication
Immunocytochemistry (ICC/IF)	1:50-1:200	1 Publication
In vitro Assay (IV)	-	1 Publication

Product Specific Information

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 PKC delta Recombinant Rabbit Monoclonal Antibody (JJ093-02)

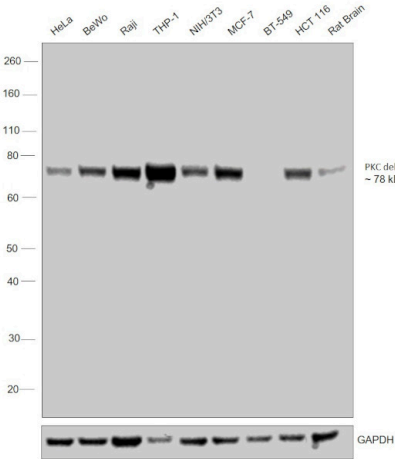


PKC delta Antibody (MA5-32482)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. THP-1 cells were transfected with PRKCD siRNA and decrease in signal intensity was observed in Western Blot application using PKC delta Recombinant Rabbit Monoclonal Antibody (JJ093-02) (Product # MA5-32482). {KD}

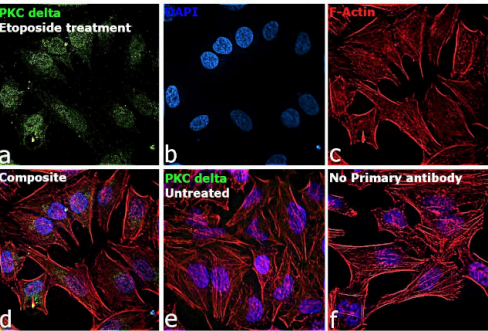
PKC delta Antibody (MA5-32482) in WB

Western blot was performed using PKC delta Recombinant Rabbit Monoclonal Antibody (JJ093-02) (Product # MA5-32482) and a 78 kDa band corresponding to PRKCD was observed across cell lines and tissue tested. Whole cell extracts (30 µg lysate) of HeLa (Lane 1), BeWo (Lane 2), Raji (Lane 3), THP-1 (Lane 4), NIH/3T3 (Lane 5), MCF7 (Lane 6), BT-549 (Lane 7), HCT 116 (Lane 8), tissue extract of Rat Brain (Lane 9) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX), 12 well. 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, 1:20,000 dilution) using the iBright™ FL1500 Imaging System (Product # A44115). Chemiluminescent detection was performed using SuperSignal™ West Pico PLUS Chemiluminescent Substrate (Product # 34580). Expression of PRKCD was observed to be high in MCF-7 in comparison to BT-549 (Ref :<https://doi.org/10.3389/fonc.2019.01323>).



PKC delta Antibody (MA5-32482)

Detection of altered subcellular localization of the target protein by cell treatment demonstrates antibody specificity. Immunofluorescence analysis using PKC delta Recombinant Rabbit Monoclonal Antibody (JJ093-02) (Product # MA5-32482), shows increased accumulation of PKC delta in nucleus with Etoposide treatment (Ref: <https://doi.org/10.1074/jbc.m407448200>). {TM}



View more figures on thermofisher.com

Immunohistochemistry (1)

iScience	Year 2022
Neuronal cell types, projections, and spatial organization of the central amygdala.	Species Mouse
"MA5-32482 was used in Immunohistochemistry to reveal new CEA organizational principles across cell types and spatial scales and provide a framework for future work examining cell-type-specific behavior and function."	Dilution 1:50
Authors: O'Leary TP,Kendrick RM,Bristow BN,Sullivan KE,Wang L,Clements J,Lemire AL,Cembrowski MS	

Immunocytochemistry (1)

Cellular physiology and biochemistry : international journal of experimental cellular physiology, biochemistry, and pharmacology	Year 2021
Extracellular Histones Bind Vascular Glycosaminoglycans and Inhibit the Anti-Inflammatory Function of Antithrombin.	Species Human
"MA5-32482 was used in Immunocytochemistry-immunofluorescence to conclude that histones and AT compete for overlapping binding sites on vascular GAGs to modulate coagulation and inflammation."	
Authors: Biswas I,Panicker SR,Cai XS,Giri H,Rezaie AR	

In vitro Assay (1)

Cellular physiology and biochemistry : international journal of experimental cellular physiology, biochemistry, and pharmacology	Year 2021
Extracellular Histones Bind Vascular Glycosaminoglycans and Inhibit the Anti-Inflammatory Function of Antithrombin.	Species Human
"MA5-32482 was used in Immunocytochemistry-immunofluorescence to conclude that histones and AT compete for overlapping binding sites on vascular GAGs to modulate coagulation and inflammation."	
Authors: Biswas I,Panicker SR,Cai XS,Giri H,Rezaie AR	

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.