

PKC delta Recombinant Rabbit Monoclonal Antibody (JJ093-02)

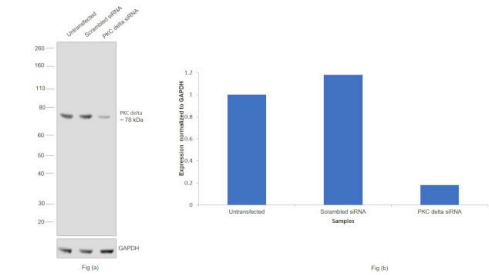
Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Mouse, Human
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	JJ093-02
Conjugate	Unconjugated
Immunogen	Recombinant protein within mouse PKC delta aa 525-671
Form	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 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:200	-
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)

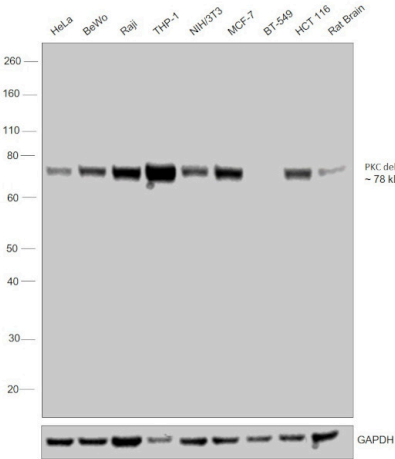


PKC delta Antibody (MA5-32482)

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}

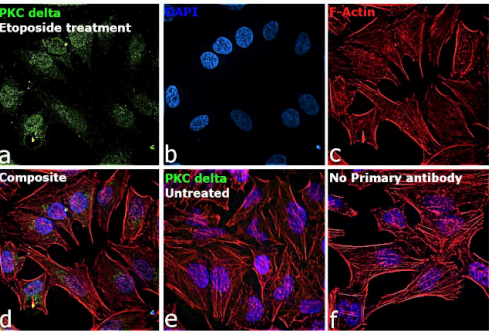
PKC delta Antibody (MA5-32482) in WB

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}



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Immunohistochemistry (1)

iScience	Year 2022
Neuronal cell types, projections, and spatial organization of the central amygdala.	Species Mouse
"Published figure using PKC delta recombinant monoclonal antibody (Product # MA5-32482) in Immunohistochemistry"	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	

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