

# PRKAR1A Polyclonal Antibody

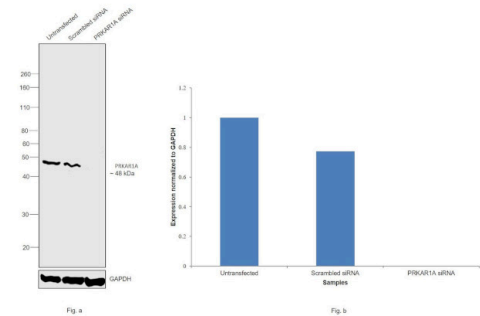
Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthesized peptide derived from N-terminal of human KAP0.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4, with 50% glycerol
Contains	0.02% sodium azide
Storage conditions	-20°C
RRID	AB_2635239

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	-
Immunocytochemistry (ICC/IF)	5 µg/ml	-

## Product Specific Information

The antibody detects endogenous levels of total PKA R1 alpha protein.

Product Images For PRKAR1A Polyclonal Antibody

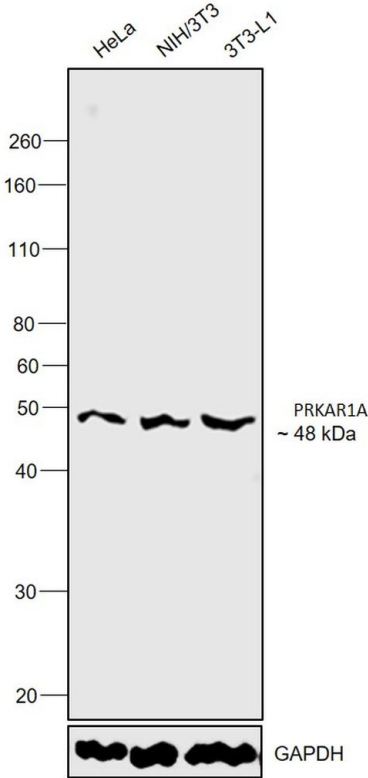


PRKAR1A Antibody (PA5-49786)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with PRKAR1A siRNA and decrease in signal intensity was observed in western blot application using PRKAR1A Polyclonal Antibody (Product # PA5-49786). {KD}

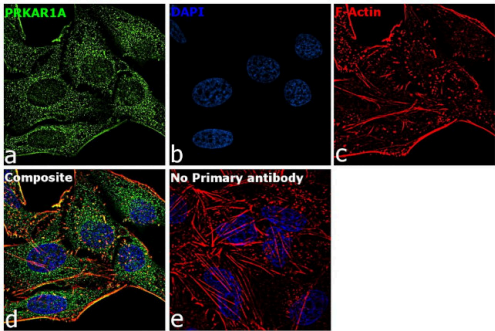
PRKAR1A Antibody (PA5-49786) in WB

Western blot was performed using Anti-PRKAR1A Polyclonal Antibody (Product # PA5-49786) and a 48 kDa band corresponding to PRKAR1A was observed across cell lines tested. Membrane enriched extracts (60 µg lysate) of HeLa (Lane 1), NIH/3T3 (Lane 2) and 3T3-L1 (Lane 3) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). 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 (1:3000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



PRKAR1A Antibody (PA5-49786) in ICC/IF

Immunofluorescence analysis of PRKAR1A was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with PRKAR1A Rabbit Polyclonal Antibody (Product # PA5-49786) at 5 µg/mL in 0.1% BSA, incubated at 4 degree Celsius overnight and then with Goat anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32731) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing cytoplasmic localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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