

PP2A alpha Monoclonal Antibody (7A6)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat, Yeast
Published Species	Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	7A6
Conjugate	Unconjugated
Immunogen	C-terminal peptide of human PP2A catalytic subunit
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	0.1% sodium azide
Storage conditions	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C
RRID	AB_2539443

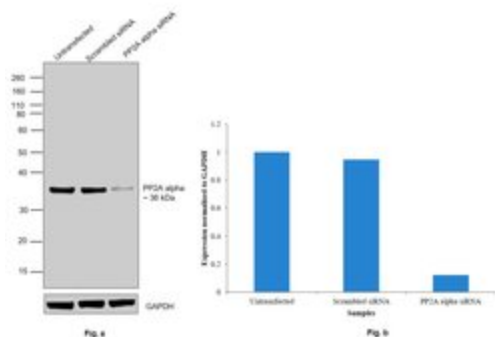
Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:4,000	1 Publication
Immunocytochemistry (ICC/IF)	1:100	-
Immunoprecipitation (IP)	Assay-dependent	-

Product Specific Information

This antibody recognizes the C-terminal of PP2A, both alpha and beta isoforms, in human, mouse, rat and S.cerevisiae samples.

PP2A alpha Antibody (MA5-18060)

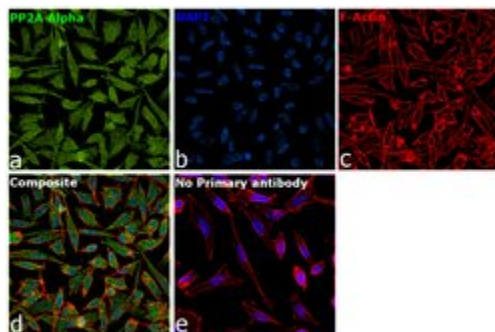
Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. PC-3 cells were transfected with PP2A alpha siRNA and reduction of signal was observed in Western Blot using PP2A alpha Monoclonal Antibody (7A6) (Product # MA5-18060). Knockdown validation info.



Product Images For PP2A alpha Monoclonal Antibody (7A6)

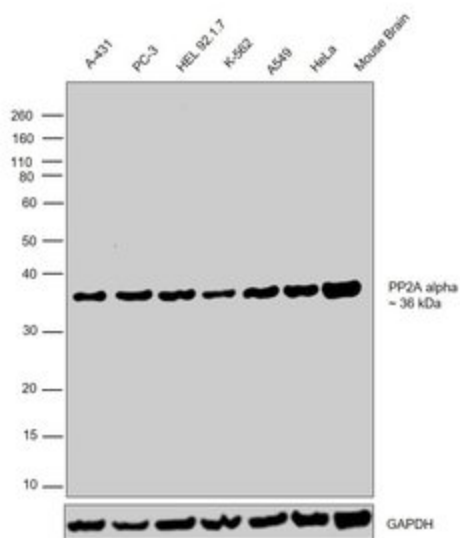
PP2A alpha Antibody (MA5-18060) in ICC/IF

Immunofluorescence analysis of PP2A alpha was performed using 70% confluent log phase PC-3 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 PP2A alpha Monoclonal Antibody (7A6) (Product # MA5-18060) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then with Goat anti-Mouse IgG (H+L), Superclonal™ Recombinant Secondary Antibody, Alexa Fluor 488 (Product # A28175) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b: Blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing nuclear, cytoskeletal and cytoplasmic localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



PP2A alpha Antibody (MA5-18060) in WB

Western blot was performed using Anti-PP2A alpha Monoclonal Antibody (7A6) (Product # MA5-18060) and 36 kDa band corresponding to PP2A alpha was observed across the cell lines and tissue tested. Whole cell extracts (30 µg lysate) of A-431 (Lane1), PC-3 (Lane 2), HEL 92.1.7 (Lane 3), K-562 (Lane 4), A549 (Lane 5), HeLa (Lane 6) and tissue extracts (30 µg lysate) of Mouse Brain (Lane 7) were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris 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 (1:1000 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



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Western Blot (1)

The Journal of biological chemistry

Microhomology-based CRISPR tagging tools for protein tracking, purification, and depletion.

"MA5-18060 was used in Western Blotting to describe a versatile toolset for rapid tagging of endogenous proteins."

Authors: Lin DW, Chung BP, Huang JW, Wang X, Huang L, Kaiser P

Species
Human

Dilution
1:1000

Year
2019

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