# PP2A alpha Monoclonal Antibody (7A6)

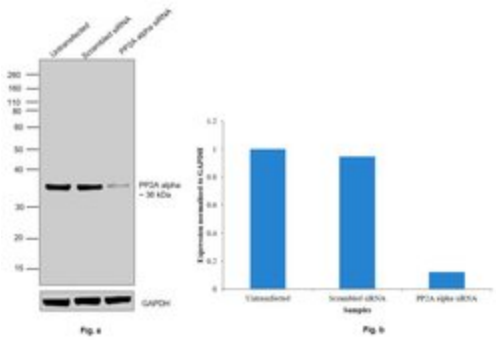
| Product Details | |
|---|---|
| Size | 100 µL |
| Species Reactivity | Human, Mouse, Rat, Yeast |
| Published Species | Human |
| Host/Isotype | Mouse / IgG1 |
| Class | Monoclonal |
| Type | Antibody |
| Clone | 7A6 |
| Conjugate | Unconjugated |
| Immunogen | C-terminal peptide of human PP2A catalytic 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

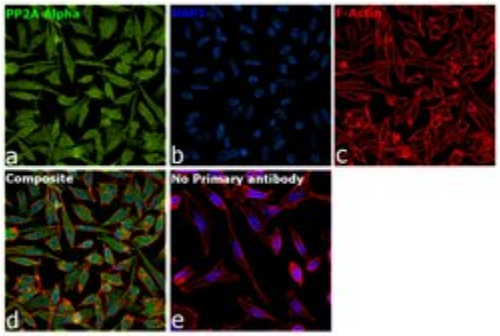
This antibody recognizes the C-terminal of PP2A, both alpha and beta isoforms, in human, mouse, rat and S.cerevisiae samples.

## Advanced Verification Data

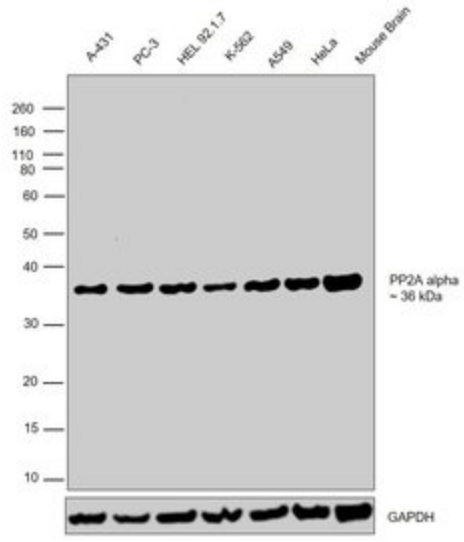


**PP2A alpha Antibody (MA5-18060)**
Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. PC-3 cells were transfected with PP2A alpha siRNA and reduction of signal was observed in Western Blot using PP2A alpha Monoclonal Antibody (7A6) (Product # MA5-18060). Knockdown validation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

## View more figures on thermofisher.com

# 1 Reference

## 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