

Product Data Sheet

Anti-PP1 alpha Antibody

Catalog #	Source	Reactivity	Applications
CQA2806	Rabbit	H, M, R	WB, IF/IC
Description	Rabbit polyclonal antibody to PP1 alpha		
Immunogen	Recombinant full length protein of human PP1 alpha		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of PP1 alpha protein.		
Clonality	Polyclonal		
Conjugation			
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
Dilution	WB (1/500 - 1/2000), IF/IC (1/50 - 1/200)		
Gene Symbol	PPP1CA		
Alternative Names	PPP1A; Serine/threonine-protein phosphatase PP1-alpha catalytic subunit; PP-1A		
Entrez Gene	5499 (Human); 19045 (Mouse); 24668 (Rat)		
SwissProt	P62136 (Human); P62137 (Mouse); P62138 (Rat)		
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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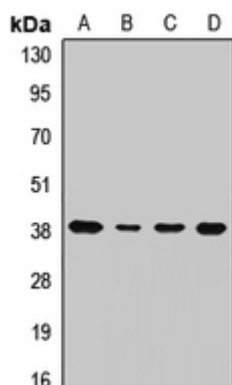
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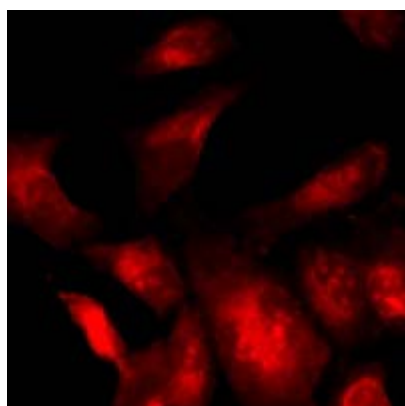
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Western blot analysis of PP1 alpha expression in MCF7 (A), A549 (B), NIH3T3 (C), mouse brain (D) whole cell lysates.



Immunofluorescent analysis of PP1 alpha staining in U2OS cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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