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Anti-PPP2R5A Antibody

Catalog # AP51855

Product Information

Application	WB, IF/IC
Primary Accession	Q15172
Reactivity	Human, Mouse, Rat, Pig, Bovine, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56194

Additional Information

Gene ID	5525
Other Names	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit alpha isoform; PP2A B subunit isoform B'-alpha; PP2A B subunit isoform B56-alpha; PP2A B subunit isoform PR61-alpha; PR61alpha; PP2A B subunit isoform R5-alpha
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PPP2R5A. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

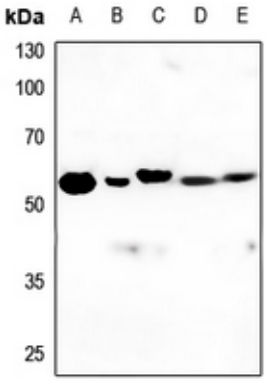
Protein Information

Name	PPP2R5A
Function	The B regulatory subunit might modulate substrate selectivity and catalytic activity, and might also direct the localization of the catalytic enzyme to a particular subcellular compartment.
Cellular Location	Cytoplasm. Nucleus. Chromosome, centromere. Note=From mitotic prophase to metaphase, localizes at the inner centromere between a pair of sister kinetochores. Decreased expression at the onset of anaphase
Tissue Location	Widely expressed with the highest expression in heart and skeletal muscle

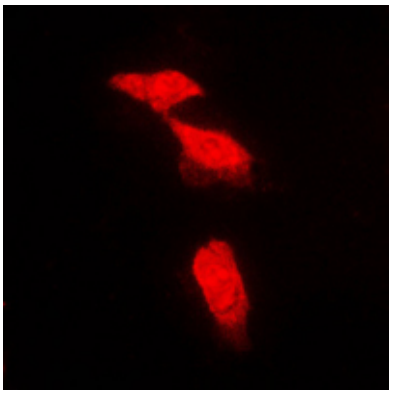
References

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Zolnierowicz S.,et al.Biochem. J. 317:187-194(1996).

Images



Western blot analysis of PPP2R5A expression in Hela (A), mouse lung (B), mouse muscle (C), rat lung (D), rat spleen (E) whole cell lysates. (Predicted band size: 56 kD; Observed band size: 56 kD)



Immunofluorescent analysis of PPP2R5A staining in NIH3T3 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.