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Product Data Sheet

Anti-PRKAR2A Antibody

Catalog #	Source	Reactivity	Applications
CQA2736	Rabbit	H, M, R	WB, IF/IC

Description	Rabbit polyclonal antibody to PRKAR2A
Immunogen	Recombinant full length protein of human PRKAR2A
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of PRKAR2A 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	PRKAR2A
Alternative Names	PKR2; PRKAR2; cAMP-dependent protein kinase type II-alpha regulatory subunit
Entrez Gene	5576 (Human); 29699 (Rat)
SwissProt	P13861 (Human); P12367 (Mouse); P12368 (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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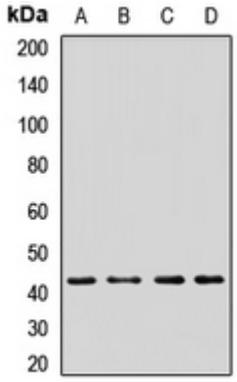
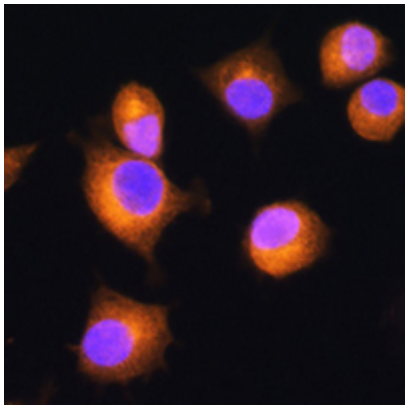


Western blot analysis of PRKAR2A expression in Jurkat (A), SW480 (B), mouse liver (C), mouse lung (D) whole cell lysates. (Predicted band size: 43; 45 kD; Observed band size: 46 kD)



Immunofluorescent analysis of PRKAR2A staining in L929 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 AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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