

Mouse Anti-Human PKACA/PKAC alpha Clone 3B2 mAb

Catalog No.	CSI14330A CSI14330B	Quantity: 25 µg 100 µg
Alternate Names:	PKA C-alpha, cAMP-dependent protein kinase catalytic subunit alpha, cAMP-dependent protein kinase catalytic subunit alpha isoform 1, protein kinase A catalytic subunit	
Description:	Protein Kinase A (PKA) is a cyclic-AMP dependent kinase and a member of the serine/threonine family of protein kinases. Three catalytic isoforms of PKA have been described (alpha, beta, gamma), and isoform expression is tissue specific. PKA is expressed in the cytoplasm as an inactive holoenzyme and is translocated to the nucleus upon activation. PKA is activated by cAMP intracellular signaling, four cAMP molecules bind to inactive PKA holoenzyme to release catalytic and regulatory domains. PKA phosphorylates a large number of substrates in the nucleus and cytoplasm and is involved in cell growth, differentiation, and homeostasis. PKA can be modified by phosphorylation and myristylation. The PKA catalytic domain interacts with inflammation-responsive factor serum amyloid A-activating factor, and caveolin-1.	
Concentration:	0.5 mg/mL	
Specificity:	Human	
Host:	Mouse	
Immunogen:	Peptide-KLH	
Isotype:	IgG1kappa	
Clone:	3B2	
Formulation:	Liquid in Phosphate Buffered solution, pH 7.2 + 0.09% Sodium Azide + 50% glycerol	
Purification:	Protein G Affinity Chromatography	
Applications:	WB	
Application Notes:	Each lot of this antibody is quality control tested by Western blotting. Suggested working dilution(s): Use 10 µg antibody per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.	
Storage & Stability:	Store at -20°C	

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Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com