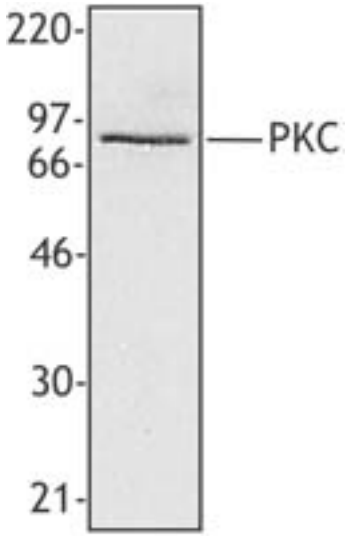
BioLegend
The path to legendary discovery™

Product Data Sheet

Purified anti-PKC

Catalog # / Size: 624302 / 500 µl (20 Western Blots)
Clone: PKC0103
Isotype: Mouse IgG2a, κ
Immunogen: Protein kinase C from bovine brain
Reactivity: Mouse, Rat, Human (Recognizes the α, β, and γ isoforms)
Preparation: This antibody was purified by affinity chromatography.
Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% gelatin.
Storage: The antibody solution should be stored undiluted at 4°C. DO NOT FREEZE.



Jurkat cell extract was resolved by electrophoresis, transferred to nitrocellulose, and probed with mouse anti-PKC monoclonal antibody. Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and a chemiluminescence system.

Applications:

Applications: WB-*Quality tested*
IP - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 25 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Description: PKC, also known as protein kinase C, belongs to a kinase family involved in intracellular signaling processes. PKC isoforms are divided into three groups known as conventional (including PKCα, PKCβ1, PKCβ2 and PKCγ), novel (including PKCε, µ, θ, δ, η), and atypical PKC isoforms (such as ξ). Conventional PKC isoforms require calcium and diacylglycerol for activation, novel isoforms require diacylglycerol, and atypical isoforms require neither calcium nor diacylglycerol. Once activated by phosphorylation, the PKCs phosphorylate a large variety of substrates involved in cell differentiation, proliferation, and activation. The PKC0103 antibody recognizes human, mouse, and rat PKC and is useful for Western blotting and immunoprecipitation.

Antigen References:
1. Liu WS, *et al.* 1998. *Cell Signal* 10:529.
2. Way KJ, *et al.* 2000. *Trends Pharmacol. Sci.* 21:181.

Related Products:

Product	Clone	Application
AKP Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	ELISA, WB, IHC
HRP Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	ELISA, IHC, WB

BioLegend Inc., 9727 Pacific Heights Blvd, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587