R&D® Ab
Research & Diagnostic Antibodies
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Rabbit Anti-Protein Kinase C β1 [661-671] Serum

AS-2423S Lot # 4581

The antiserum was raised in a rabbit which was immunized with synthetic Protein Kinase C β1 [661-671] (rat) covalently attached onto a carrier protein. Rehydrate the lyophilized antiserum with 0.1 ml of 10 mg/ml BSA is PBS for the equivalent of whole antiserum, or with additional buffer for more dilute antiserum. This antiserum has been found to stain specifically intracellular regions of fixed cultured cells by indirect immunoflorescence. The antiserum was tested for recognition of other Protein Kinase C isozymes by ELISA techniques.

Antiserum Specificity

Polypeptide	% Cross Reactivity
Protein Kinase β1 [661-671]	100
Protein Kinase Cα [664-672]	0
Protein Kinase Cβ2 [660-673]	> 0.2
Protein Kinase Cγ [681-689]	0
Protein Kinase Cδ [662-673]	0
Protein Kinase Cε [728-737]	0
Protein Kinase Cξ [480-492]	0
Protein Kinase C η	0
Protein Kinase C θ	0

Western Blotting Protocol

1. After SDS-PAGE (on either 4-15% gradient gels or single percentage gels, such at 12% gels) and electrophoretic transfer to PVDF membrane, block the membrane overnight with 2% normal goat serum in TBS/Tween-20 buffer.
2. Wash x 2 with TBS/Tween-20.
3. Apply the rabbit polyclonal antibody after dilution to at least 1:800 (Note: higher dilutions may be needed). Use 2% normal goat serum in TBS/Tween-20 as buffer for the primary antibody. Let the primary antibody bind for 2-4 hours.
4. Wash x 3 with TBS/Tween-20.
5. Apply affinity purified HRP-goat anti-rabbit IgG antiserum diluted 1:2500 (dilution may vary depending upon supplier) in 2% normal goat serum in TBS/Tween-20. Incubate 1-2 hours. Note: greater sensitivity may be achieved using ABC techniques.
6. Wash x 4 for 5 minute/wash with TBS/Tween-20.
7. Develop color using the enhanced DAB reaction.