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Product Information

MONOCLONAL ANTI-CaM KINASE II

(α SUBUNIT)

CLONE 6G9

Isotype IgG1,

Purified Mouse Immunoglobulin

Product No. **C265**

Product Description

For the localization and detection of the CaM kinase II α subunit (approx. 50 kDa); can be used in immunoblotting and immunofluorescence.

Monoclonal anti- CaM Kinase II (α -subunit) is derived from the 6G9 hybridoma produced by the fusion of NS1/SP2 myeloma cells and spleen cells from Balb/c mice. Partially purified rat CaM kinase II used as immunogen.

This product reacts with both the recombinant and native rat phosphorylated and non-phosphorylated CaM (Ca^{2+} /calmodulin-dependent) kinase II α subunit. It does not cross-react with the 60 kDa β subunit in either phosphorylation state. In immunofluorescence on rat hippocampal cells, it labels cell somas and neurophil areas, while nuclei are only lightly stained.

Reagents

This product consists of purified IgG1 in PBS with 0.05% sodium azide added as a preservative.

Precautions

Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazards and safe handling practices.

Storage

For continuous use, store at 2-8 °C for up to one month. For extended storage, solution may be frozen in working aliquots. Storage in "frost-free" freezers is not recommended. Repeated freezing and thawing is not recommended. If slight turbidity occurs upon prolonged storage, clarify by centrifugation before use.

References

1. Ochiishi, T. et al. Brain Res. **790**, 129-140 (1998).
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4. Terashima, T. et al. Brain Res. **650**, 133-139 (1994).
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6. Patton, B.L. et al. Mol. Biol. Cell **4**, 159-172 (1993).

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