

CaMK 1

Cat.No. 211 011; Monoclonal mouse antibody, 100 µg purified IgG (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µg purified IgG, lyophilized. Azide was added before lyophilization. For reconstitution add 100 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (AP staining) IP: yes ICC: not tested yet IHC: not tested yet IHC-P/FFPE: not tested yet
Clone	263A12
Subtype	IgG2b (κ light chain)
Immunogen	Recombinant protein corresponding to AA 1 to 374 from mouse CaMK1 (UniProt Id: Q91YS8)
Epitop	Epitop: AA 1 to 374 from mouse CaMK1 (UniProt Id: Q91YS8)
Reactivity	Reacts with: rat (Q63450), mouse (Q91YS8). Other species not tested yet.
Specificity	Specific for CaMK 1; cross-reacts with β, γ and δ isoforms.

TO BE USED IN VITRO / FOR RESEARCH ONLY NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

Calcium- and **calmodulin-dependent kinase 1 (CaMK 1)** is a serine/threonine kinase that belongs to the family of calcium-dependent kinases consisting of CaMK 2, CaMK 4, and CaMKK (CaMK-kinase). Four different isoforms (CaMK 1 α, β, γ, and δ) derived from independent genes have been described. CaMK 1 is the most abundant isoform in the central nervous system and is involved in cellular differentiation processes.

Selected General References

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