

Anti-pan CaMKII Antibody (7F181)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Clone:	7F181
Purification:	Affinity-chromatography

Applications

Verified Activity:	Western blot analysis of CaMKII expression in HeLa cell lysate.
Application:	FCM,WB
Recommended	FCM: 1:20-1:100; WB: 1:1000-1:2000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized peptide: human CaMKII alpha
Synonyms:	CAMK2G;CAMK2D;CAMK2B;CAMK2;CAMKA;Camk2a

Research Background

Calcium/calmodulin-dependent protein kinase that functions autonomously after Ca²⁺/calmodulin-binding and autophosphorylation, and is involved in various processes, such as synaptic plasticity, neurotransmitter release and long-term potentiation. Member of the NMDAR signaling complex in excitatory synapses, it regulates NMDAR-dependent potentiation of the AMPAR and therefore excitatory synaptic transmission.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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