

## Anti-pan CaMKII Antibody (8T495)

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Clone:	8T495
Purification:	Affinity-chromatography

### Applications

Verified Activity:	Western blot analysis of CaMKII expression in (1)Mouse brain tissue lysate ;(2)Rat brain tissue lysate.
Application:	ICC/IF,IHC,IHC-Fr,WB
Recommended	ICC/IF: 1:50-1:200; IHC: 1:100-1:200; IHC-Fr: 1:50-1:200; 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:	CAMKA;CAMK2G;CAMK2B;Camk2a;CAMK2D;CAMK2

### Research Background

Calcium/calmodulin-dependent protein kinase that functions autonomously after Ca<sup>2+</sup>/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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