

35-1609: Polyclonal Antibody to CaMKII (Ab-286)

Clonality :	Polyclonal
Application :	WB,IF
Reactivity :	Rat,Mouse,Human
Gene :	CAMK2A
Gene ID :	815
Uniprot ID :	Q9UQM7
Format :	Purified
Alternative Name :	CAMKA
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.284~288 (Q-E-T-V-D) derived from Human CaMKII.

Description

CaM-kinase II (CAMK2) is a prominent kinase in the central nervous system that may function in long-term potentiation and neurotransmitter release. Member of the NMDAR signaling complex in excitatory synapses it may regulate NMDAR-dependent potentiation of the AMPAR and synaptic plasticity

Product Info

Amount :	50 µl / 100 µl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 50kd, Western blotting: 1:500~1:1000, Immunofluorescence: 1:100~1:200

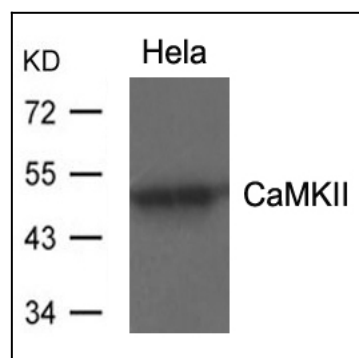


Figure 1: Western blot analysis of extracts from HeLa using CaMKII(Ab-286) Antibody 35-1609 .

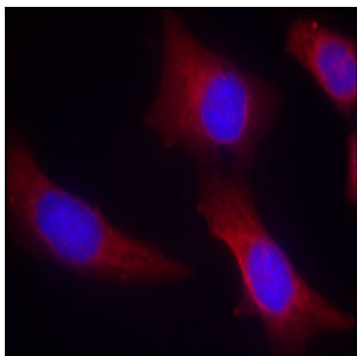


Figure 2: Immunofluorescence staining of paraffin-embedded human hippocampal region tissue from the falling sickness disease using CaMKII(Ab-286) Antibody 35-1609 .