

CaMKII Monoclonal Antibody

CAB0198

Description

This CaMKII Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CAB0198
Contents:	20 μ L, 100 μ L Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	CAM2, CAMK2, CAMKB, MRD54, CaMKIIbeta, CaMKII
Clone:	ARC1814
Applications:	WB IHC-P ELISA
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat

Antibody Data

Gene ID:	816
Uniprot:	AB_2861457
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	50kDa/60kDa
Calculated MW:	73kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% sodium azide, 0.05% BSA, 50% glycerol, pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

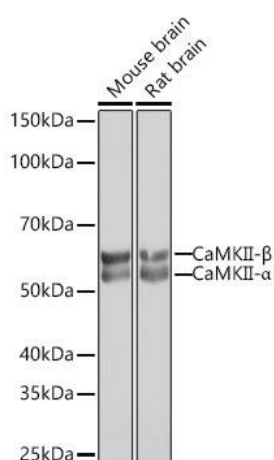
Positive Sample: SH-SY5Y, U-251MG, Mouse brain, Rat brain, C6

Recommended Dilutions:

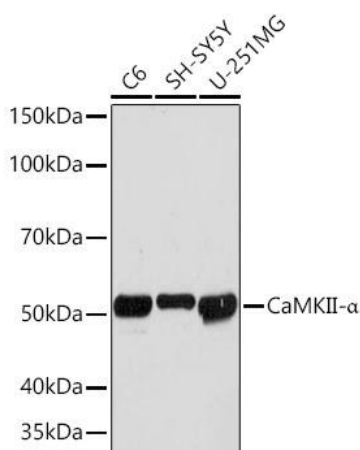
WB	1:1000 - 1:2000
IHC-P	1:200 - 1:800
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

Validation Data



Western blot analysis of various lysates using CaMKII Rabbit mAb (CAB0198) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 5s.



Western blot analysis of various lysates using CaMKII Rabbit mAb (CAB0198) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 90s.

