

Datasheet for ABIN391311

anti-CAMK2A antibody (C-Term)**3** Images[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	CAMK2A
Binding Specificity:	AA 446-478, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This CAMK2A (CAMK2 alpha) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 446-478 amino acids from the C-terminal region of human CAMK2A (CAMK2 alpha).
Clone:	RB1258
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	CAMK2A
Alternative Name:	CAMK2A (CAMK2 alpha) (CAMK2A Products)

Target Details

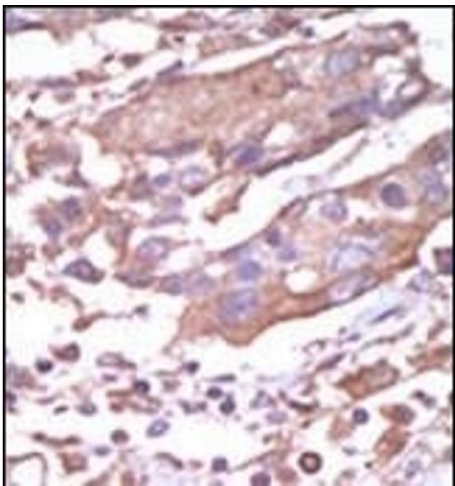
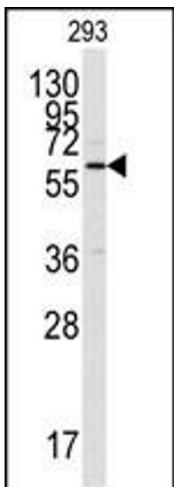
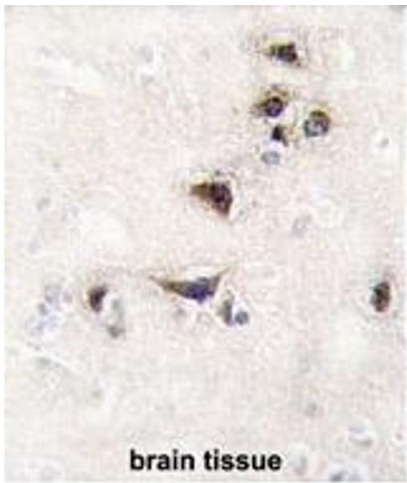
Background:	CaM-kinase II (CAMK2) is a prominent Ser/Thr protein kinase in the central nervous system that may function in long-term potentiation and neurotransmitter release. Likely autophosphorylation of Thr-286 allows the kinase to switch from a calmodulin-dependent to a calmodulin-independent state. CAMK2 is composed of four different chains: alpha, beta, gamma, and delta. The different isoforms assemble into homo- or heteromultimeric holoenzymes composed of 8 to 12 subunits.
Molecular Weight:	54088
Gene ID:	815
NCBI Accession:	NP_741960
UniProt:	Q9UQM7
Pathways:	WNT Signaling , Interferon-gamma Pathway , Myometrial Relaxation and Contraction

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human brain tissue reacted with CK2 alpha Antibody (C-term) (ABIN391311 and ABIN2841345) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.

Western Blotting

Image 2. Western blot analysis of anti-CK2 alpha C-term Pab (ABIN391311 and ABIN2841345) in 293 cell lysate. CK2 alpha (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.