

Datasheet for ABIN2856245

anti-CAMK4 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	CAMK4
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CAMK4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human CaMKIV. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to CaMKIV (calcium/calmodulin-dependent protein kinase IV) CAMK4 antibody [N1C3]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	CAMK4
Alternative Name:	calcium/calmodulin dependent protein kinase IV (CAMK4 Products)

Target Details

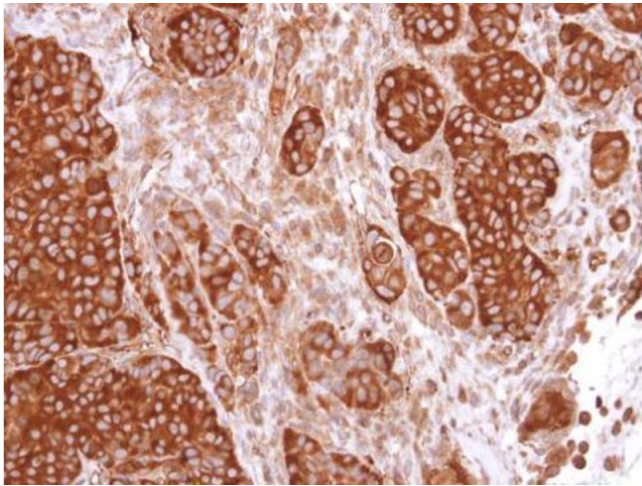
Background:	The product of this gene belongs to the serine/threonine protein kinase family, and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. This enzyme is a multifunctional serine/threonine protein kinase with limited tissue distribution, that has been implicated in transcriptional regulation in lymphocytes, neurons and male germ cells.
Molecular Weight:	52 kDa
Gene ID:	814
UniProt:	Q16566
Pathways:	EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Production of Molecular Mediator of Immune Response , G-protein mediated Events , Interaction of EGFR with phospholipase C-gamma

Application Details

Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: 293T , mouse brain , rat brain
Restrictions:	For Research Use only

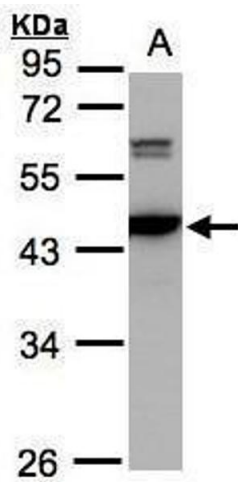
Handling

Format:	Liquid
Concentration:	0.92 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



Immunohistochemistry

Image 1. IHC-P Image Immunohistochemical analysis of paraffin-embedded SW480 xenograft, using CaMKIV, antibody at 1:500 dilution.



Western Blotting

Image 2. WB Image Sample(30 ug whole cell lysate) A:293T 10% SDS PAGE antibody diluted at 1:2000