

Datasheet for ABIN1531531
anti-CAMK4 antibody (pThr200)

3 Images

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Overview

Quantity:	100 µg
Target:	CAMK4
Binding Specificity:	AA 166-215, pThr200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CAMK4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human CaMK4 around the phosphorylation site of Thr196/200.
Isotype:	IgG
Specificity:	CaMK4 (Phospho-Thr196/200) Antibody detects endogenous levels of CaMK4 only when phosphorylated at Thr196/200. PhosphorylationH:T200 M:T196 R:T196
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

Target Details

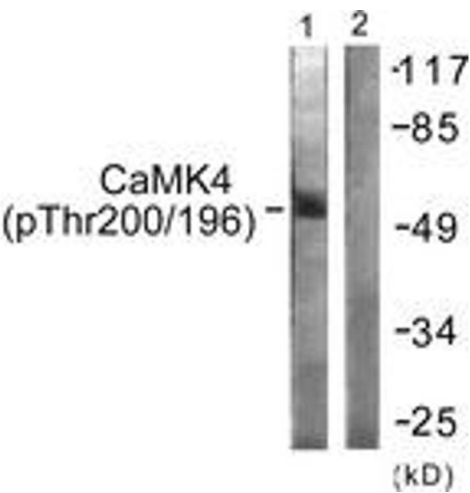
Target:	CAMK4
Alternative Name:	CaMK4 (CAMK4 Products)
Background:	Synonyms: Calcium/calmodulin-dependent protein kinase type IV catalytic chain, Calspermin, CAM kinase-GR, CaMK IV, CAMK4, CaMKIV, KCC4, kinase CaMK4 NCBI Gene Symbol: CAMK4
Molecular Weight:	51 kDa
Gene ID:	814
OMIM:	114080
UniProt:	Q16566
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: 1:500~1:1000 IHC: 1:50~1:100 IF: 1:100~1:500 ELISA: 1:40000
Comment:	Unigene-Number: Hs.591269 (NCBI Gene Symbol: CAMK4)
Restrictions:	For Research Use only

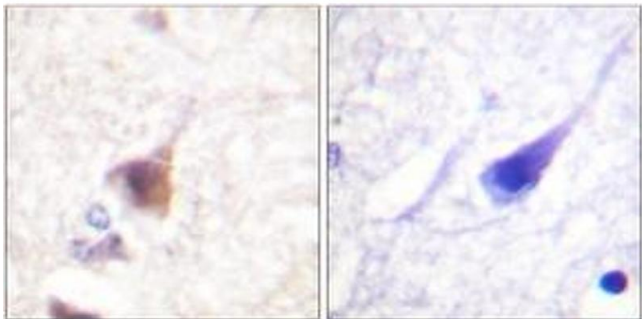
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	-20 °C
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months



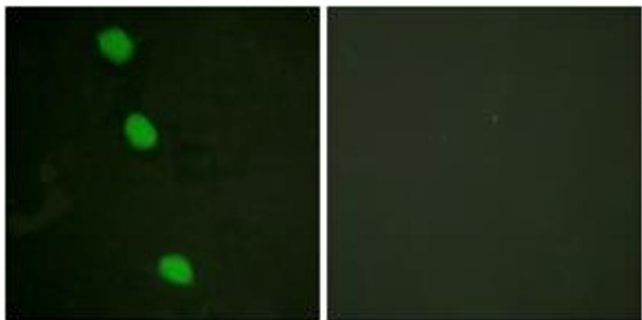
Western Blotting

Image 1. Western blot analysis of extracts from K562 cells treated with H₂O₂ 100uM 30', using CaMK4 (Phospho-Thr196/200) Antibody. The lane on the right is treated with the synthesized peptide.



Immunohistochemistry

Image 2. Immunohistochemistry analysis of paraffin-embedded human brain, using CaMK4 (Phospho-Thr196/200) Antibody. The picture on the right is treated with the synthesized peptide.



Immunofluorescence

Image 3. Immunofluorescence analysis of HeLa cells, using CaMK4 (Phospho-Thr196/200) Antibody. The picture on the right is treated with the synthesized peptide.