

CaMK4 Antibody | anti-CaMK4 antibody

CaMK4 (Phospho-Thr196/200) Antibody

CATALOG # AAA112078	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry, Western Blot
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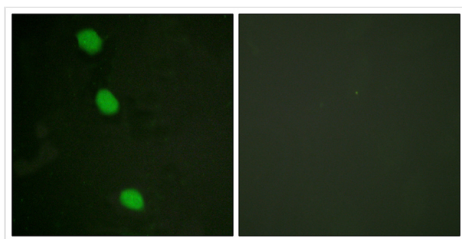
PRODUCT SYNONYMS

CaMK4; CaMK4 (Phospho-Thr196/200) Antibody; CAM kinase-GR; CAMK4; CaMK IV; CaMKIV; Calcium/calmodulin-dependent protein kinase type IV catalytic chain; Calspermin; EC 2.7.11.17; KCC4; kinase CaMK4; anti-CaMK4 antibody

PRODUCT SPECIFICATIONS

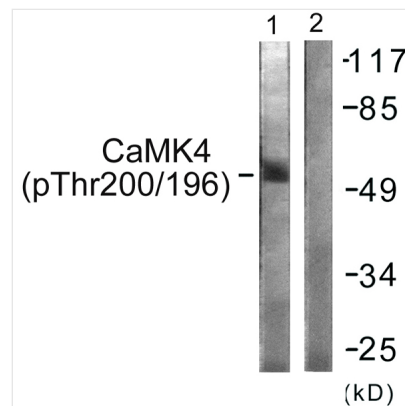
Reactivity	Human, Mouse, Rat
Specificity	CaMK4 (Phospho-Thr196/200) antibody detects endogenous levels of CaMK4 only when phosphorylated at threonine 196/200.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	473
Applicable Applications for anti-CaMK4 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human CaMK4 around the phosphorylation site of threonine 196/200 (M-K-TP-V-C).
All Sites	Human: Thr200 Mouse: Thr196 Rat: Thr196
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



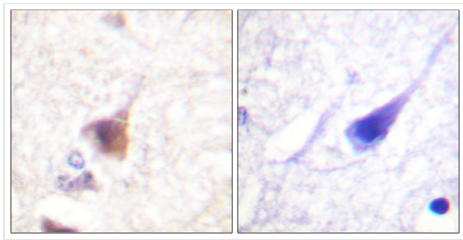
IF (Immunofluorescence)

P-peptide-+ Immunofluorescence analysis of HeLa cells, using CaMK4 (Phospho-Thr196/200) antibody.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human brain tissue using CaMK4 (Phospho-Thr196/200) antibody. Western blot analysis of extracts from K562 cells, treated with H₂O₂ (100uM, 30mins), using CaMK4 (Phospho-Thr196/200) antibody.



Application Data
P-peptide-+

ADDITIONAL INFORMATION

Product Categories/Family for anti-CaMK4 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Christine M. Kitsos, J. Biol. Chem., Sep 2005; 280: 33101-33108. Joy Y. Wu, Mol. Cell. Biol., Sep 2001; 21: 6066-6070. Joy Y. Wu, Endocrinology, Dec 2000; 141: 4777. Stephen L. Wang, Cell Growth Differ., Jul 2001; 12: 351.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1020738596
NCBI GeneID	814
NCBI Accession #	NP_001310303.1
NCBI GenBank Nucleotide #	NM_001323374.1
UniProt Accession #	Q16566; D3DSZ7
Molecular Weight	51,926 Da
NCBI Official Full Name	calcium/calmodulin-dependent protein kinase type IV isoform 1
NCBI Official Synonym Full Names	calcium/calmodulin dependent protein kinase IV
NCBI Official Symbol	CAMK4
NCBI Official Synonym Symbols	caMK; CaMK IV; CaMK-GR
NCBI Protein Information	calcium/calmodulin-dependent protein kinase type IV
UniProt Protein Name	Calcium/calmodulin-dependent protein kinase type IV
UniProt Gene Name	CAMK4
UniProt Synonym Gene Names	CAMK; CAMK-GR; CAMKIV; CaMK IV

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-mouse-rat-antibody/camk4/112078>