

CaMK2 Antibody | anti-CaMK2 antibody

CaMK2 (Phospho-Thr286) Antibody

CATALOG # AAA267697	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry, Western Blot
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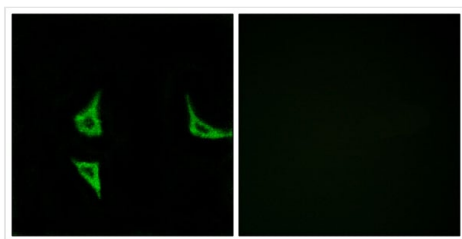
PRODUCT SYNONYMS

CaMK2; CaMK2 (Phospho-Thr286) Antibody; Calcium/calmodulin-dependent protein kinase type II alpha chain; CaM-kinase II alpha chain; CaMK-II alpha subunit; CAMK2A; CaMKII-alpha; EC 2.7.11.17; KCC2A; kinase CaMK2-alpha; anti-CaMK2 antibody

PRODUCT SPECIFICATIONS

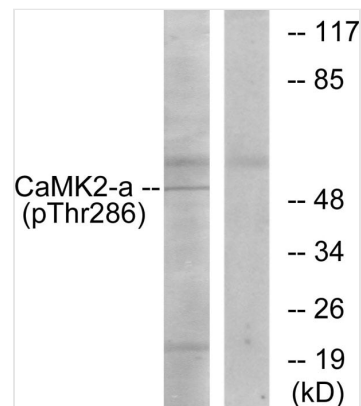
Reactivity	Human, Mouse, Rat
Specificity	CaMK2 (Phospho-Thr286) antibody detects endogenous levels of CaMK2 only when phosphorylated at threonine 286.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide 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	478
Applicable Applications for anti-CaMK2 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human CaMK2 around the phosphorylation site of threonine 286 (Q-E-TP-V-D).
All Sites	Human: Thr286/Thr287 Mouse: Thr286/Thr287 Rat: Thr286/Thr287
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



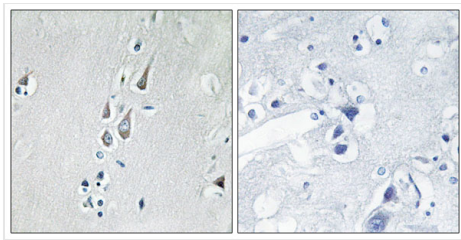
IF (Immunofluorescence)

P-peptide+ Immunofluorescence analysis of COS-7 cells, using CaMK2 (Phospho-Thr286) antibody.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human brain tissue using CaMK2 (Phospho-Thr286) antibody. Western blot analysis of extracts from K562 cells, using CaMK2 (Phospho-Thr286) antibody.



Application Data
P-peptide+

ADDITIONAL INFORMATION

References	Li G.Y., Submitted (APR-1999) to the EMBL/GenBank/DDBJ databases. Nagase T., DNA Res. 6:63-70(1999). Krapivinsky G., Neuron 43:563-574(2004).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	25952118
NCBI GeneID	815
NCBI Accession #	NP_741960.1
NCBI GenBank Nucleotide #	NM_171825.2
UniProt Accession #	Q9UQM7; Q9UL21; Q9Y2H4; Q9Y352
Molecular Weight	55,320 Da
NCBI Official Full Name	calcium/calmodulin-dependent protein kinase type II subunit alpha isoform 2
NCBI Official Synonym Full Names	calcium/calmodulin dependent protein kinase II alpha
NCBI Official Symbol	CAMK2A
NCBI Official Synonym Symbols	CAMKA; MRD53
NCBI Protein Information	calcium/calmodulin-dependent protein kinase type II subunit alpha
UniProt Protein Name	Calcium/calmodulin-dependent protein kinase type II subunit alpha
UniProt Gene Name	CAMK2A
UniProt Synonym Gene Names	CAMKA; KIAA0968; CaM kinase II subunit alpha; CaMK-II subunit alpha

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.

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Online datasheet: <https://www.aaabiotech.com/human-mouse-rat-antibody/camk2/267697>