

CaMK2alpha/delta Antibody | anti-CAMK2A antibody

CaMK2alpha/delta (Ab-286) Antibody

CATALOG # AAA111706	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry, Western Blot
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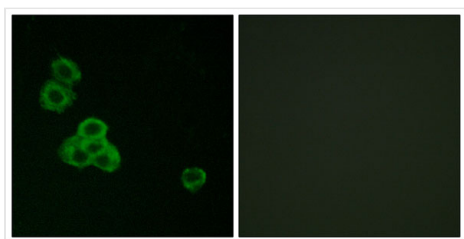
PRODUCT SYNONYMS

CaMK2alpha/delta; CaMK2alpha/delta (Ab-286) 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-CAMK2A antibody

PRODUCT SPECIFICATIONS

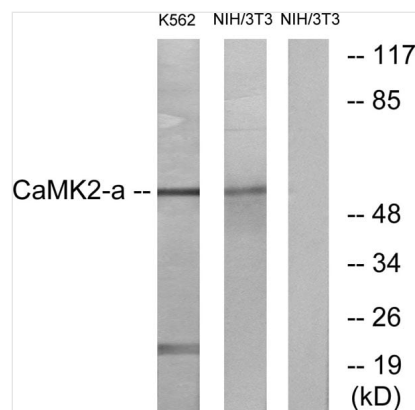
Reactivity	Human, Mouse, Rat
Specificity	CaMK2alpha/delta (Ab-286) antibody detects endogenous levels of total CaMK2alpha/delta protein.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	478
Applicable Applications for anti-CAMK2A antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized non-phosphopeptide derived from human CaMK2alpha/delta around the phosphorylation site of threonine 286 (Q-E-TP-V-D).
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



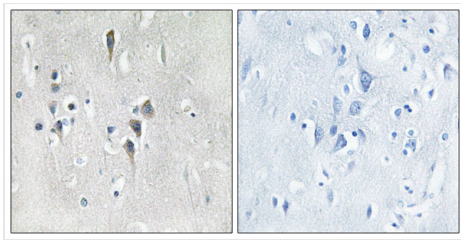
IF (Immunofluorescence)

Peptide-+ Immunofluorescence analysis of MCF-7 cells, using CaMK2alpha/delta (Ab-286) antibody.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human brain tissue using CaMK2alpha/delta (Ab-286) antibody. Western blot analysis of extracts from K562 cells and 3T3 cells, using CaMK2alpha/delta (Ab-286) antibody.



Application Data
Peptide+

ADDITIONAL INFORMATION

Product Categories/Family for anti-CAMK2A antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
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).

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://stage.aaabiotech.com/human-mouse-rat-antibody/camk2alpha-delta/111706>