

Rabbit CAMK2A Polyclonal Antibody | anti-CAMK2A antibody

Phospho-CAMK2A (Thr305) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA243181	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

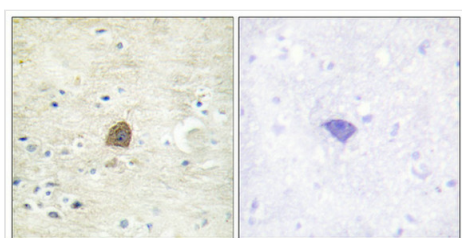
PRODUCT SYNONYMS

CAMK2A; Polyclonal Antibody; Phospho-CAMK2A (Thr305) Antibody; KCC2A; kinase CaMK2-alpha; CaMKII-alpha; anti-CAMK2A antibody

PRODUCT SPECIFICATIONS

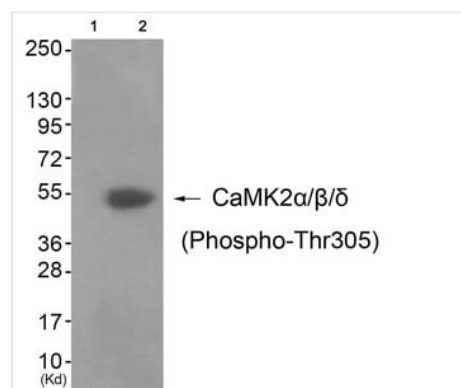
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using
Form/Format	Liquid; Rabbit IgG In Phosphate Buffered Saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol.
Applicable Applications for anti-CAMK2A antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Peptide sequence around phosphorylation site of threonine 305 (I-L-T(p)-T-M) derived from Human CaMK2alpha/beta/delta.
Immunogen Species	Human
Conjugate	Non-conjugated
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human brain tissue using CaMKII (Phospho-Thr305) antibody (left) or the same antibody preincubated with blocking peptide (right).



WB (Western Blot)

Western blot analysis of extracts from 3T3 cells (Lane 2), using CaMK2alpha/beta/delta (Phospho-Thr305) Antibody. The lane on the left is treated with antigen-specific peptide.

ADDITIONAL INFORMATION

Product Categories/Family for anti-CAMK2A antibody	Neuroscience
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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	54,088 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
NCBI Protein Information	calcium/calmodulin-dependent protein kinase type II subunit alpha; CaMKIIAlpha; CaMK-II alpha subunit; caMK-II subunit alpha; CaM-kinase II alpha chain; CaM kinase II alpha subunit; caM kinase II subunit alpha; calcium/calmodulin-dependent protein kinase
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
UniProt Entry Name	KCC2A_HUMAN

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/polyclonal/camk2a-antibody-immunohistochemistry-western-blot-elisa/243181>