

Goat CAMK2A Polyclonal Antibody | anti-CAMK2A antibody

Goat anti-CAMK2A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA61376	Goat	Tested: Human, Mouse, Rat; Expected from sequence similarity: Human, Mouse, Rat, Dog	Immunohistochemistry, Western Blot, ELISA

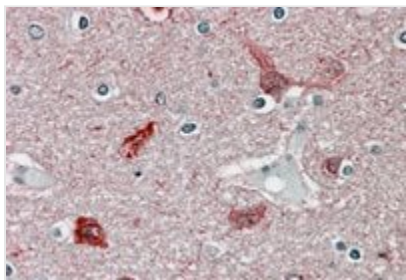
PRODUCT SYNONYMS

CAMK2A; Polyclonal Antibody; Goat anti-CAMK2A Antibody; calcium/calmodulin-dependent protein kinase (CaM kinase) II alpha; CAMKA; KIAA0968; CaM kinase II alpha subunit; CaM-kinase II alpha chain; CaMK-II alpha subunit; OTTHUMP00000165787; OTTHUMP00000165788; calcium/calmodulin-dependent protein kinase; CAMK2A antibody; calcium/calmodulin-dependent protein kinase (CaM kinase) II alpha antibody; CAMKA antibody; KIAA0968 antibody; CaM kinase II alpha subunit antibody; CaM-kinase II alpha chain antibody; CaMK-II alpha subunit antibody; OTTHUMP00000165787 antibody; OTTHUMP00000165788 antibody; calcium/calmodulin-dependent protein kinase II alpha-B subunit antibody; calcium/calmodulin-dependent protein kinase IIA antibody; calcium/calmodulin-dependent protein kinase type II alpha chain antibody; anti-CAMK2A antibody

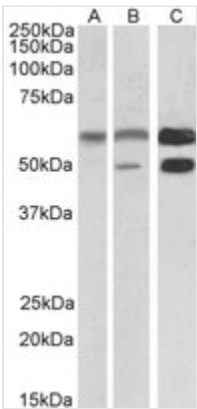
PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Tested: Human, Mouse, Rat; Expected from sequence similarity: Human, Mouse, Rat, Dog
Clonality	Polyclonal
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Form/Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration	100ug specific antibody in 200ul (varies by lot)
Sequence	PRTAQSEETR VWHR
Sequence Length	489
Applicable Applications for anti-CAMK2A antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA (Peptide ELISA)
Immunogen	Peptide with sequence C-PRTAQSEETRVWHR, from the internal region of the protein sequence according to NP_057065.2; NP_741960.1.
Epitope	Internal region
Note	This antibody is expected to recognize both reported isoforms (NP_057065.2; NP_741960.1).
Preparation and Storage	Aliquot and store at -20 degree C. Minimize freezing and thawing.

IMAGES



IHC (Immunohiostchemistry)
3.8ug/ml staining of paraffin embedded Human Brain Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



WB (Western Blot)
0.3ug/ml staining of Human Cerebellum (A), Mouse (B) and Rat Brain (C) lysates (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence

NCBI AND UNIPROT INFORMATION

NCBI GI #	25952114
NCBI GeneID	815
NCBI Accession #	NP_057065.2; NP_741960.1
NCBI GenBank Nucleotide #	NM_015981.3
Molecular Weight	55,320 Da
NCBI Official Full Name	calcium/calmodulin-dependent protein kinase type II subunit alpha isoform 1
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
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
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.