

Rabbit Camk2a-T286 Antibody | anti-Camk2a antibody

Phospho-Camk2a-T286 Polyclonal Antibody

CATALOG # AAA37391	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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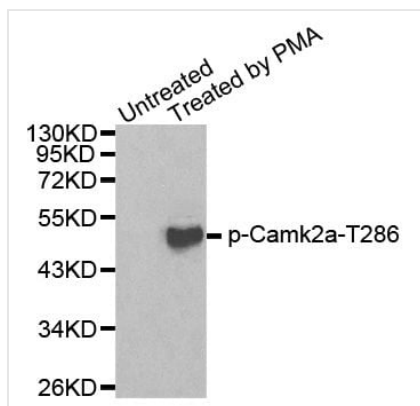
PRODUCT SYNONYMS

Camk2a-T286; Phospho-Camk2a-T286 Polyclonal Antibody; Phospho-Camk2a-T286: CaMKII; R74975; mKIAA0968; anti-Camk2a antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	478
Applicable Applications for anti-Camk2a antibody	WB (Western Blot)
Species	Mouse
Route	Synthetic Peptide
Category	Primary antibody
Immunogen	A phospho specific peptide corresponding to residues surrounding T286 of human Camk2a
Calculated Molecular Weight	50kDa
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from 293 cells using Phospho-Camk2a-T286 antibody. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA.

ADDITIONAL INFORMATION

Related Product Information for anti-Camk2a antibody	The product of this gene belongs to the serine/threonine protein kinases family, and to the Ca(2+)/calmodulin-dependent protein kinases subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. This calcium calmodulin-dependent protein kinase is composed of four different chains: alpha, beta, gamma, and delta. The alpha chain encoded by this gene is required for hippocampal long-term potentiation (LTP) and spatial learning. In addition to its calcium-calmodulin (CaM)-dependent activity, this protein can undergo autophosphorylation, resulting in CaM-independent activity. Two transcript variants encoding distinct isoforms have been identified for this gene.
Product Categories/Family for anti-Camk2a antibody	Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	124056467
NCBI GeneID	815
UniProt Accession #	P11798; Q61284; Q6ZWN4
Molecular Weight	478
NCBI Official Full Name	Calcium/calmodulin-dependent protein kinase type II subunit alpha
NCBI Official Synonym Full Names	calcium/calmodulin-dependent protein kinase II alpha
NCBI Official Symbol	Camk2a
NCBI Official Synonym Symbols	CaMKII; R74975; mKIAA0968
NCBI Protein Information	calcium/calmodulin-dependent protein kinase type II subunit alpha; CaMK II; alpha-CaMKII; caMK-II subunit alpha; caM kinase II subunit alpha
UniProt Protein Name	Calcium/calmodulin-dependent protein kinase type II subunit alpha
UniProt Gene Name	Camk2a
UniProt Synonym Gene Names	CaM kinase II subunit alpha; CaMK-II subunit alpha
UniProt Entry Name	KCC2A_MOUSE

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/rabbit-human-mouse-rat-antibody/camk2a-t286/37391>