

## CAMK2A Antibody (C-term E370)

Catalog_no :	AB2509
Reactivity :	H
Category :	抗原抗体
Size :	100 $\mu$ L/50 $\mu$ L
Immunogen :	HUMAN:344-371
Specificity :	This CAMK2A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 344-371 amino acids from the C-terminal region of human CAMK2A.
Dilution :	WB,1:1000;WB,1:1000;IHC-P,1:10~50;
Purification :	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Other_name :	Calcium/calmodulin-dependent protein kinase type II subunit alpha, CaM kinase II subunit alpha, CaMK-II subunit alpha, CAMK2A, CAMKA, KIAA0968
Isotype :	Rabbit Ig
Background :	CAMK2A 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 the gene for CAMK2A 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.
reference :	Lee,C.W., Mol. Pharmacol. 73 (5), 1454-1464 (2008) Yuan,K., Lab. Invest. 87 (9), 938-950 (2007)