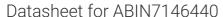
antibodies - online.com







anti-CAMK2A antibody (AA 321-478)

Images



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Overview		
Quantity:	100 μL	
Target:	CAMK2A	
Binding Specificity:	AA 321-478	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This CAMK2A antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)	
Product Details		
Immunogen:	Recombinant Human Calcium/calmodulin-dependent protein kinase type II subunit alpha	
	protein (321-478AA)	
Isotype:	IgG	
Cross-Reactivity:	Human	
Purification:	>95%, Protein G purified	
Target Details		
Target:	CAMK2A	
Alternative Name:	CAMK2A (CAMK2A Products)	
Background:	Background: CaM-kinase II (CAMK2) is a prominent kinase in the central nervous system that	

may function in long-term potentiation and neurotransmitter release. Member of the NMDAR signaling complex in excitatory synapses it may regulate NMDAR-dependent potentiation of the AMPAR and synaptic plasticity (By similarity). Phosphorylates transcription factor FOXO3 on \'Ser-298\' (PubMed:23805378). Activates FOXO3 transcriptional activity (By similarity). Aliases: Calcium/calmodulin dependent protein kinase II alpha antibody, Calcium/calmodulin dependent protein kinase II beta antibody, Calcium/calmodulin dependent protein kinase II gamma antibody, Calcium/calmodulin-dependent protein kinase II gamma antibody, CaM kinase II alpha antibody, CaM kinase II alpha antibody, CaM kinase II delta antibody, CaM kinase II gamma antibody, CaM kinase II subunit alpha antibody, CaMK-II subunit alpha antibody, CAMK2 antibody, CAMK2 antibody, CAMK2B antibody, CAMK2D antibody, CAMK2G antibody, CAMKA antibody, KCC2A_HUMAN antibody

UniProt: Q9UQM7

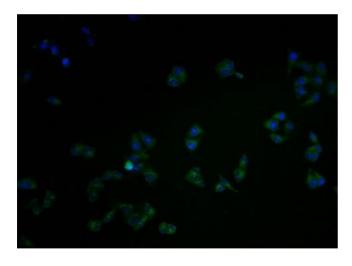
Pathways: WNT Signaling, Interferon-gamma Pathway, Myometrial Relaxation and Contraction

Application Details

Application Notes:	Recommended dilution: WB:1:1000-1:5000, IHC:1:100-1:500, IF:1:100-1:500,
Restrictions:	For Research Use only

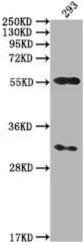
Handling

Format:	Liquid	
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4	
Preservative:	ProClin	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	-20 °C,-80 °C	
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.	



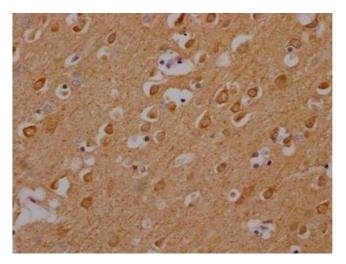
Immunofluorescence

Image 1. Immunofluorescence staining of Hela cells with ABIN7146440 at 1:100, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Western Blotting

Image 2. Western Blot Positive WB detected in: 293 whole cell lysate All lanes: CAMK2A antibody at 1:2000 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 55, 56 kDa Observed band size: 55 kDa



Immunohistochemistry

Image 3. IHC image of ABIN7146440 diluted at 1:200 and staining in paraffin-embedded human brain tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05 % DAB.