

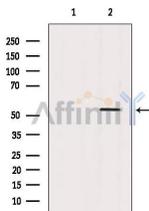
CaMK2 alpha/beta/delta Ab

Cat.#: AF6492
Size: 100ul,200ul

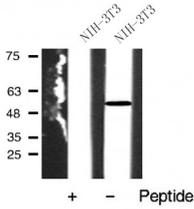
Concn.: 1mg/ml
Source: Rabbit

Mol.Wt.: 54kDa
Clonality: Polyclonal

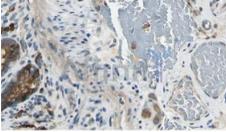
Application:	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Reactivity:	Human, Mouse, Rat
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Specificity:	CaMK2 alpha/beta/delta Ab detects endogenous levels of total CaMK2 alpha/beta/delta.
Immunogen:	A synthesized peptide derived from human CaMK2 alpha/beta/delta.
Uniprot:	Q9UQM7/Q13554/Q13557
Description:	CaMK2-alpha a protein kinase of the CAMK2 family. A prominent kinase in the central nervous system that may function in long-term potentiation and neurotransmitter release.
Subcellular Location:	Cell junction > synapse > presynaptic cell membrane. Cell junction > synapse. Postsynaptic lipid rafts.
Similarity:	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. CaMK subfamily.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.



Western blot analysis of extracts from Mouse lung, using CaMK2 alpha/beta/delta Ab. Lane 1 was treated with the blocking peptide.



Western blot analysis of CaMK2 alpha/beta/delta expression in NIH-3T3 whole cell lysates, The lane on the left was treated with the antigen-specific peptide.



AF6492 at 1/100 staining Mouse intestine tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF6492 staining NIH-3T3 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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