

CaMKII peptide ab188554

製品の詳細

製品名	CaMKII peptide
精製度	> 99 % HPLC.
Animal free	No
由来	Synthetic
配列	ALRRQETVDAL
配列の追加情報	Peptide sequence based on the autophosphorylation site (amino acid 283-290) on CaMKII alpha.

特性

Our **Abpromise guarantee** covers the use of **ab188554** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	HPLC Functional Studies
製品の状態	Lyophilized
備考	ab188554 (CaMKII peptide) can be utilized as a substrate for the following active protein kinases:

- ab51398** (Active mouse CaMKI full length protein)
- ab60891** (Active human PNCK full length protein)
- ab60898** (Active human CAMK 1D beta full length protein)
- ab51400** (Active human CaMKI gamma protein fragment)
- ab60899** (Active human CaMKII alpha full length protein)
- ab84552** (Active human CaMKII delta full length protein)
- ab63189** (Active human CamKII gamma protein fragment)
- ab60756** (Human CAMKV full length protein)
- ab101777** (Active human DCAMKL1 full length protein)

前処理および保存

保存方法および安定性	Shipped at 4°C. Store at -20°C.
再構成	Dilute peptide in distilled water to a final concentration of 1 mg/ml. For optimal storage, aliquot

diluted product into smaller quantities and store at recommended temperature.

関連情報

機能	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.
配列類似性	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. CaMK subfamily. Contains 1 protein kinase domain.
細胞内局在	Cell junction > synapse > presynaptic cell membrane. Cell junction > synapse. Postsynaptic lipid rafts.

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