

Product name:	CaMKII delta Rabbit Monoclonal Antibody
Cat number:	MABN83937
Conjugate:	Unconjugated
Size:	100µL
Clone:	Monoclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	A synthesized peptide derived from human CaMKII delta
Reactivity:	Human, Mouse, Rat
Applications:	WB 1:1000-1:2000, IHC 1:100-1:200
Molecular Weight:	Calculated MW: 56 kDa ; Observed MW: 50 kDa
Purification:	Affinity Purification
Form:	Liquid
Buffer:	Purified antibody in PBS with 0.05% sodium azide, 0.05% BSA and 50% glycerol.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	Calcium/calmodulin-dependent protein kinase involved in the regulation of Ca ²⁺ homeostasis and excitation-contraction coupling (ECC) in heart by targeting ion channels, transporters and accessory proteins involved in Ca ²⁺ influx into the myocyte, Ca ²⁺ release from the sarcoplasmic reticulum (SR), SR Ca ²⁺ uptake and Na ⁺ and K ⁺ channel transport. Targets also transcription factors and signaling molecules to regulate heart function. In its activated form, is involved in the pathogenesis of dilated cardiomyopathy and heart failure.