

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