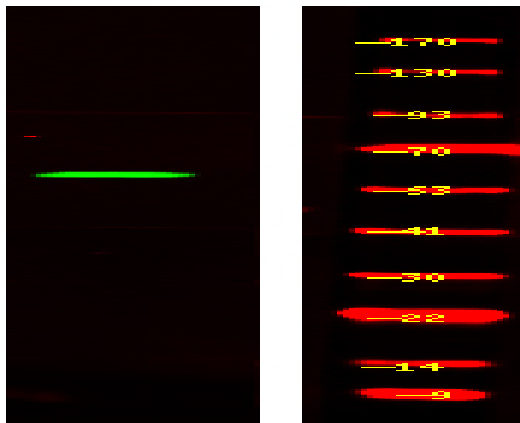


CAMKK1/2 (Phospho Ser458/495) rabbit pAb

Catalog No :	YP1723
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	CAMKK1/2
Fields :	>>Alcoholism
Gene Name :	CAMKK1 CAMKKA
Protein Name :	CAMKK1/2 (Phospho-Ser458/495)
Human Gene Id :	84254
Human Swiss Prot No :	Q8N5S9
Mouse Gene Id :	55984
Mouse Swiss Prot No :	Q8VBY2
Rat Gene Id :	60341
Rat Swiss Prot No :	P97756
Immunogen :	Synthesized peptide derived from human CAMKK1/2 (Phospho-Ser458/495)
Specificity :	This antibody detects endogenous levels of CAMKK1/2 (Phospho-Ser458/495) at Human, Mouse,Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000

Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	56kD
Background :	The product of this gene belongs to the Serine/Threonine protein kinase family, and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. This protein plays a role in the calcium/calmodulin-dependent (CaM) kinase cascade. Three transcript variants encoding two distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008],
Function :	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,domain:The autoinhibitory domain overlaps with the calmodulin binding region and may be involved in intrasteric autoinhibition.,domain:The RP domain (arginine/proline-rich) is involved in the recognition of CAMKI and CAMK4 as substrates.,enzyme regulation:Activated by Ca(2+)/calmodulin. Binding of calmodulin may release intrasteric autoinhibition. Partially inhibited upon phosphorylation by PRCAKA/PKA (By similarity). May be regulated through phosphorylation by CAMK1 and CAMK4.,function:Calcium/calmodulin-dependent protein kinase that belongs to a proposed calcium-triggered signaling cascade involved in a number of cellular processes. Phosphorylates CAMK1, CAMK1D, CAMK1G and CAMK4. Involved in regulating cell apoptosis. Promotes cell survival by phosphorylating AKT1/PKB that inhibits pro-apoptotic BAD/Bcl2-antagonist of cell de
Subcellular Location :	Cytoplasm . Nucleus .
Expression :	Amygdala,Brain,

Products Images

Jurkat

Western Blot analysis of Jurkat cell, 2, LPS 100ng/mL 30min treated ,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000