

CABP1386

Product Information

Product SKU:	CABP1386	Gene ID:	816/817/818/815	Size:	20uL, 100uL
Clone No:	ARC57709	Host Species:	Rabbit	Reactivity:	Mouse,Rat

Additional Information

Observed MW:	50kDa	Conjugate:	Unconjugated
Calculated MW:	54kDa	Isotype:	IgG

Immunogen Information

Background: The product of this gene belongs to the serine/threonine protein kinases family, and to the Ca²⁺/calmodulin-dependent protein kinases subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. This calcium calmodulin-dependent protein kinase is composed of four different chains: alpha, beta, gamma, and delta. The alpha chain encoded by this gene is required for hippocampal long-term potentiation (LTP) and spatial learning. In addition to its calcium-calmodulin (CaM)-dependent activity, this protein can undergo autophosphorylation, resulting in CaM-independent activity. Several transcript variants encoding distinct isoforms have been identified for this gene.

Recommended Dilution: WB,1:2000 - 1:10000

Synonyms: CAMKA; MRD53; MRT63; CaMKIIalpha; CaMKIINalpha; CAM2; CAMK2; CAMKB; MRD54; CaMKIIbeta; CAMKD; CAMK; CAMKG; MRD59; CAMK-II; Phospho-Camk2-T286

Purification Method: Affinity purification

Immunogen: A synthetic phosphorylated peptide around T286 of human Camk2.

Storage: Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.