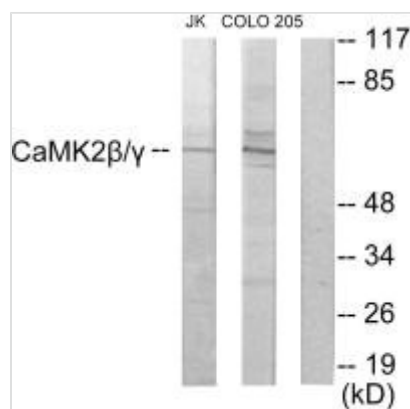




CAMK2G/CAMK2B Antibody

Product Code	CSB-PA181746
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Immunogen	Synthesized peptide derived from C-terminal of Human CaMK2β/γ.
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous levels of total CaMK2β/γ protein.
Tested Applications	ELISA,WB;WB:1:500-1:3000
Relevance	Calcium/calmodulin-dependent protein kinase that functions autonomously after Ca ²⁺ /calmodulin-binding and autophosphorylation, and is involved in sarcoplasmic reticulum Ca ²⁺ transport in skeletal muscle and may function in dendritic spine and synapse formation and neuronal plasticity. In slow-twitch muscles, is involved in regulation of sarcoplasmic reticulum (SR) Ca ²⁺ transport and in fast-twitch muscle participates in the control of Ca ²⁺ release from the SR through phosphorylation of the ryanodine receptor-coupling factor triadin. In neurons, may participate in the promotion of dendritic spine and synapse formation and maintenance of synaptic plasticity which enables long-term potentiation (LTP) and hippocampus-dependent learning.Deloukas P., Nature 429:375-381(2004).Breen M.A., Biochem. Biophys. Res. Commun. 236:473-478(1997).Tombes R.M., Biochim. Biophys. Acta 1355:281-292(1997).
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Alias	Calcium/calmodulin-dependent protein kinase type II gamma chain; EC 2.7.11.17; CaM-kinase II gamma chain; CaM kinase II subunit gamma; CaMK-II subunit gamma
Product Type	Polyclonal Antibody
Target Names	CAMK2G/CAMK2B
Accession NO.	Swiss-Prot: Q13555/Q13554 NCBI Gene ID: 818/816
Image	



Western blot analysis of extracts from Jurkat cells and COLO205 cells, using CaMK2β/γ antibody.