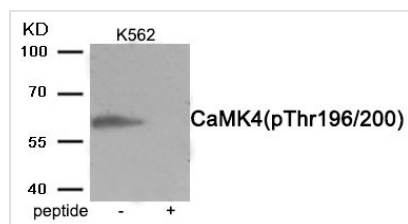




Phospho-CAMK4 (Thr196/200) Antibody

Product Code	CSB-PA925801
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q16566
Immunogen	Peptide sequence around phosphorylation site of threonine 200 (M-K-T(p)-V-C) derived from Human CaMK4 or threonine 196 (M-K-T(p)-V-C) derived from Mouse CaMK4.
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of CaMK4 only when phosphorylated at threonine196/threonine 200.
Tested Applications	ELISA,WB;WB:1:500-1:1000
Relevance	Calcium/calmodulin-dependent protein kinase that operates in the calcium-triggered CaMKK-CaMK4 signaling cascade and regulates, mainly by phosphorylation, the activity of several transcription activators, such as CREB1, MEF2D, JUN and RORA, which play pivotal roles in immune response, inflammation, and memory consolidation. In the thymus, regulates the CD4+/CD8+ double positive thymocytes selection threshold during T-cell ontogeny. In CD4 memory T-cells, is required to link T-cell antigen receptor (TCR) signaling to the production of IL2, IFNG and IL4 (through the regulation of CREB and MEF2). Oury F, et al. (2010)Genes Dev 24, 2330-42. Dias WB, Cheung WD, Wang Z, Hart GW (2009) J Biol Chem 284, 21327-37. Chow FA, Anderson KA, Noeldner PK, Means AR (2005)J Biol Chem 280, 20530-8.
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	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography usi
Clonality	Polyclonal
Alias	CAM kinase-GR; CAMK4; CaMK IV; Calspermin; KCC4
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	CAMK4
Image	



Western blot analysis of extracts from K562 cells treated with H₂O₂ using Phospho-CaMK4 (Thr196/200) antibody. The lane on the right is treated with the antigen-specific peptide.

Product Modify

Phospho-Thr196/200