

Calcium/calmodulin-dependent protein kinase kinase 2 Antibody

Mouse Monoclonal Antibody [Clone PCRP-CAMKK2-1H7]

Catalog No	Format	Size
10645-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
10645-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
10645-MSM1-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

Clone	PCRP-CAMKK2-1H7
Immunogen	Recombinant human CAMKK2 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG
Mol. Weight of Antigen	64.75kDa
Cellular Localization	Cell projection, Cytoplasm, Neuron projection, Nucleus
Species Reactivity	Human
Positive Control	Ubiquitously expressed with higher levels in the brain

**Optimal dilution for a specific application should be determined.*

Product Images for Calcium/calmodulin-dependent protein kinase kinase 2 Antibody

Specificity & Comments

Calcium/calmodulin-dependent protein kinase belonging to a proposed calcium-triggered signaling cascade involved in a number of cellular processes. Isoform 1, isoform 2 and isoform 3 phosphorylate CAMK1 and CAMK4. Isoform 3 phosphorylates CAMK1D. Isoform 4, isoform 5 and isoform 6 lacking part of the calmodulin-binding domain are inactive. Efficiently phosphorylates 5'-AMP-activated protein kinase (AMPK) trimer, including that consisting of PRKAA1, PRKAB1 and PRKAG1. This phosphorylation is stimulated in response to Ca(2+) signals (By similarity). Seems to be involved in hippocampal activation of CREB1 (By similarity). May play a role in neurite growth. Isoform 3 may promote neurite elongation, while isoform 1 may promoter neurite branching.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.