9F, No. 108, Jhouzih St.,Taipei, Taiwan
Tel: + 886-2-8751-1888 Fax: + 886-2-6602-1218
E-mail: sales@abnova.com

Datasheet

CAMK4 monoclonal antibody (M01), clone 1A3

Catalog Number: H00000814-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full length recombinant CAMK4.

Clone Name: 1A3

Immunogen: CAMK4 (AAH25687.1, 1 a.a. ~ 473 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:
MLKVTVPSCSASSCSSVTASAAPGTASLVPDYWIDGS
NRDALSDFFEVESELGRGATSIVYRCKQKGTQKPYAL
KVLKKTVDKKIVRTEIGVLLRLSHPNIIKLKEIFETPTEISL
VLELVTGGELFDRIVEKGYYSERDAADAVKQILEAVAY
LHENGIVHRDLKPENLLYATPAPDAPLKIADFGLSKIVE
HQVLMKTVCGTPGYCAPEILRGCAYGPEVDMWSVGII
TYILLCGFEPFYDERGDQFMFRRILNCEYYFISPWWDE
VSLNAKDLVRKLIVLDPKKRLTTFQALQHPWVTGKAAN
FVHMDTAQKKLQEFNARRKLKAAVKAVVASSRLGSAS
SSHGSIQESHKASRDPSPIQDGNEDMKAIPEGEKIQGD
GAQAAVKGAQAELMKVQALEKVKGADINAEEAPKMVP
KAVEDGIKVADLELEEGLAEEKLKTVEEAAAPREGQGS
SAVGFEVPQQDVILPEY

Host: Mouse

Reactivity: Human

Applications: ELISA, IF, IHC-P, RNAi-Ab, S-ELISA, WB-Ce, WB-Re, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Isotype: IgG1 kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 814

Gene Symbol: CAMK4

Gene Alias: CaMK-GR, MGC36771

Gene Summary: The product of this gene belongs to the serine/threonine protein kinase family, and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. This enzyme is a multifunctional serine/threonine protein kinase with limited tissue distribution, that has been implicated in transcriptional regulation in lymphocytes, neurons and male germ cells. [provided by RefSeq]

References:
1. Acid activation of Trpv1 leads to an up-regulation of calcitonin gene-related peptide expression in dorsal root ganglion neurons via the CaMK-CREB cascade: a potential mechanism of inflammatory pain. Nakanishi M, Hata K, Nagayama T, Sakurai T, Nishisho T, Wakabayashi H, Hiraga T, Ebisu S, Yoneda T. Mol Biol Cell. 2010 Aug 1;21(15):2568-77. Epub 2010 Jun 9.