

Product Datasheet

CaMKIV Antibody (1A3) - Azide and BSA Free H00000814-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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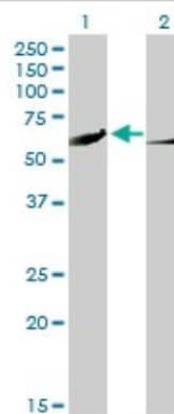
H00000814-M01

CaMKIV Antibody (1A3) - Azide and BSA Free

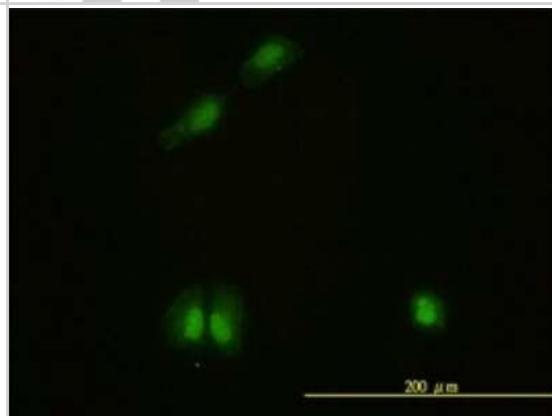
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1A3
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	814
Gene Symbol	CAMK4
Species	Human, Rat
Specificity/Sensitivity	CAMK4 - calcium/calmodulin-dependent protein kinase IV
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. MLKVTVPSCSASSCSSVTASAAPGTASLVPDYWIDGSNRDALSDFFEVESELG RGATSIVYRCKQKGTQKPYALKVLKKTVDKKIVRTEIGVLLRLSHPNIIKLKEIFET PTEISLVLELVTGGELFDRIIVEKGYYSERDAADAVKQILEAVAYLHENGIVHRDL KPENLLYATPAPDAPLKIADFGLSKIVEHQVLMKTVCGTPGYCAPEILRGCAYG PEVDMWWSVGIIITYILLCGFEPFYDERGDQFMFRRILNCEYYFISPWWDDEVSLNA KDLVRKLIIVLDPKKRLTTFQALQHPWVTGKAANFVHMDTAQKKLQEFNARRKL KAAVKAVVASSRLGSASSSHGSIQESHKASRDPSPIQDGNEDMKAIPEGEKIQ GDGAQAAVKGAQAELMKVQALEKVKGADINAEAPKMPKAVEDGIKVADLEL EEGLAEEKLTVEEAAAPREGQGSSAVGFVPPQDQVILPEY
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Knockdown Validated
Application Notes	Antibody reactivity against recominant protein and cell lysate for WB. It has been used for IF, IHC-P, RNAi Validation and ELISA.

Images

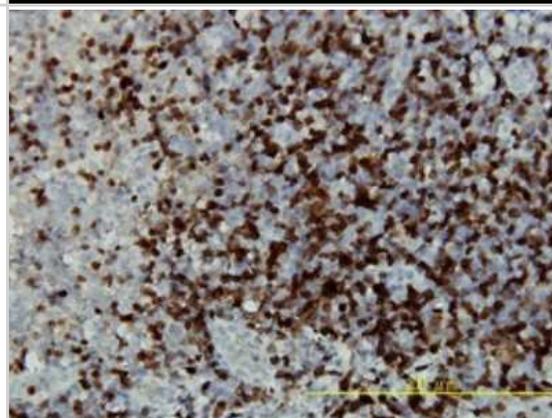
Western Blot: CaMKIV Antibody (1A3) [H00000814-M01] - Analysis of CAMK4 expression in transfected 293T cell line by CAMK4 monoclonal antibody (M01), clone 1A3. Lane 1: CAMK4 transfected lysate(52.14 KDa). Lane 2: Non-transfected lysate.



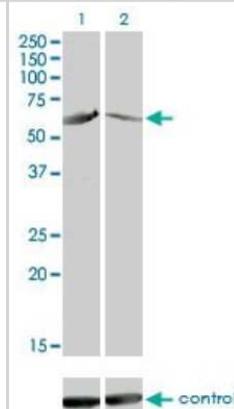
Immunocytochemistry/Immunofluorescence: CaMKIV Antibody (1A3) [H00000814-M01] - Analysis of monoclonal antibody to CAMK4 on HeLa cell. Antibody concentration 10 ug/ml.



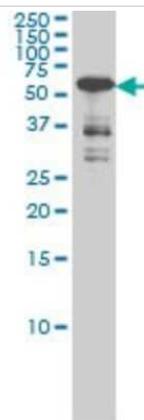
Immunohistochemistry-Paraffin: CaMKIV Antibody (1A3) [H00000814-M01] - Analysis of monoclonal antibody to CAMK4 on formalin-fixed paraffin-embedded human tonsil tissue. Antibody concentration 5 ug/ml.



Western Blot: CaMKIV Antibody (1A3) [H00000814-M01] - Analysis of CAMK4 over-expressed 293 cell line, cotransfected with CAMK4 Validated Chimera RNAi (Cat # H00000814-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with CAMK4 monoclonal antibody (M01) clone 1A3 (Cat # H00000814-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot: CaMKIV Antibody (1A3) [H00000814-M01] - CAMK4 monoclonal antibody (M01), clone 1A3 Analysis of CAMK4 expression in Jurkat.



Publications

Nakanishi M, Hata K, Nagayama T et al. 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. *Mol Biol Cell*. 2010-06-09 [PMID: 20534813]



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Products Related to H0000814-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-78878-50ug	Recombinant Human CaMKIV His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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