

CAMKK1 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a full length recombinant CAMKK1.****Catalog # AT1380a****Specification**

CAMKK1 Antibody (monoclonal) (M01) - Product Information

Application	WB, IHC, E
Primary Accession	Q8N5S9
Other Accession	BC031647
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	55735

CAMKK1 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 84254**Other Names**

Calcium/calmodulin-dependent protein kinase kinase 1, CaM-KK 1, CaM-kinase kinase 1, CaMKK 1, CaM-kinase IV kinase, Calcium/calmodulin-dependent protein kinase kinase alpha, CaM-KK alpha, CaM-kinase kinase alpha, CaMKK alpha, CAMKK1, CAMKKA

Target/Specificity

CAMKK1 (AAH31647, 1 a.a. ~ 520 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

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

Precautions

CAMKK1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

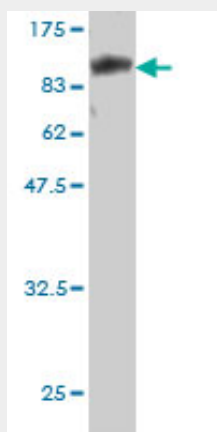
CAMKK1 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

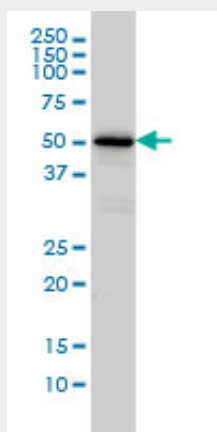
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

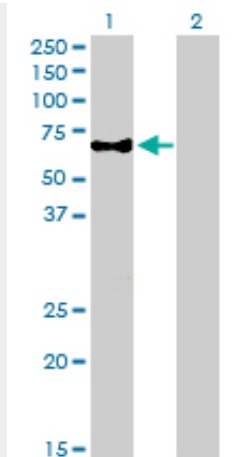
CAMKK1 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (82.94 kDa) .



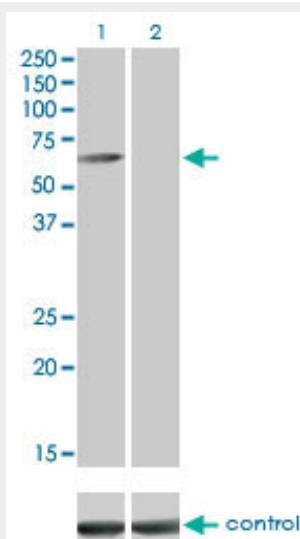
CAMKK1 monoclonal antibody (M01), clone 1F6 Western Blot analysis of CAMKK1 expression in Jurkat (Cat # AT1380a)



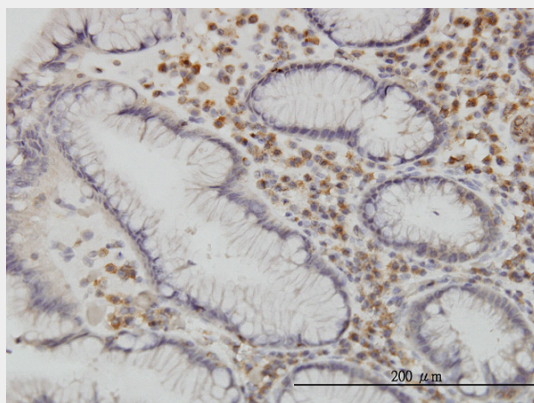
Western Blot analysis of CAMKK1 expression in transfected 293T cell line by CAMKK1 monoclonal antibody (M01), clone 1F6.

Lane 1: CAMKK1 transfected lysate(57.31 KDa).

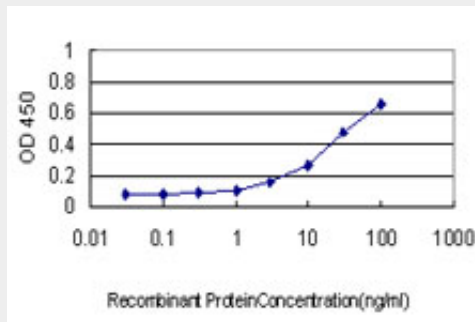
Lane 2: Non-transfected lysate.



Western blot analysis of CAMKK1 over-expressed 293 cell line, cotransfected with CAMKK1 Validated Chimera RNAi (Cat # AT1380a)



Immunoperoxidase of monoclonal antibody to CAMKK1 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 1 ug/ml]



Detection limit for recombinant GST tagged CAMKK1 is approximately 1ng/ml as a capture antibody.

CAMKK1 Antibody (monoclonal) (M01) - Background

The product of this gene belongs to the Serine/Threonine protein kinase family, and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. This protein plays a role in the calcium/calmodulin-dependent (CaM) kinase cascade. Three transcript variants encoding two distinct isoforms have been identified for this gene.

CAMKK1 Antibody (monoclonal) (M01) - References

A Large-scale genetic association study of esophageal adenocarcinoma risk. Liu CY, et al. Carcinogenesis, 2010 Jul. PMID 20453000. International Lung Cancer Consortium: coordinated association study of 10 potential lung cancer susceptibility variants. Truong T, et al. Carcinogenesis, 2010 Apr. PMID 20106900. Adiponectin activates AMP-activated protein kinase in muscle cells via APPL1/LKB1-dependent and phospholipase C/Ca2+/Ca2+/calmodulin-dependent protein kinase kinase-dependent pathways. Zhou L, et al. J Biol Chem, 2009 Aug 14. PMID 19520843. Genome-wide and candidate gene association study of cigarette smoking behaviors. Caporaso N, et al. PLoS One, 2009. PMID 19247474. CaM kinase I alpha-induced phosphorylation of Drp1 regulates mitochondrial morphology. Han XJ, et al. J Cell Biol, 2008 Aug 11. PMID 18695047.