

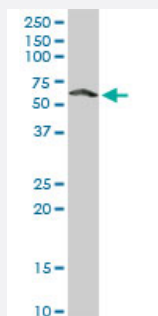
MaxPab®

CAMK4 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000814-D01P

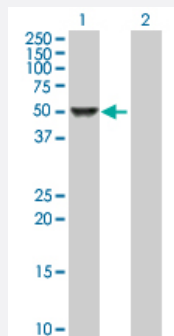
Size 100 ug

Applications



Western Blot (Cell lysate)

CAMK4 MaxPab rabbit polyclonal antibody. Western Blot analysis of CAMK4 expression in Jurkat.



Western Blot (Transfected lysate)

Western Blot analysis of CAMK4 expression in transfected 293T cell line ([H00000814-T01](#)) by CAMK4 MaxPab polyclonal antibody.

Lane 1: CAMK4 transfected lysate(51.90 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human CAMK4 protein.

Immunogen

CAMK4 (NP_001735.1, 1 a.a. ~ 473 a.a) full-length human protein.

Sequence

MLKVTVPSCSASSCSSVTASAAPGTASLVPDYWIDGSNRDALSDFFEVESELGRGATSIVYRCK
QKGTQKPYALKVLKKTVDKKVRTEIGVLLRLSHPNIIKLKEIFETPTEISLVLLELVTGGELFDRMEKG
YYSERDAADAVKQILEAVAYLHENGIMHRDLKPENLLYATPAPDAPLKIADFGLSKIVEHQVLMKTV
CGTPGYCAPEILRGCAYGPEVDMWSVGIIYILLCGFEPFYDERGDQFMFRRILNCEYYFISPWWD
EVSLNAKDLVRKLMVLDPPKKRLTTFQALQHPWVTGKAANFVHMDTAQKKLQEFNARRKLKAAVK
AVVASSRLGSASSSHGSIQESHKASRDPSPIQDGNEDMKAIPERGEKIQGDGAQAQAAVKGAQAELM
KVQALEKVKGADINAEAPKMPKAVEDGIKVADLEEEGLAEKLTVEEAAAPREGQGSSAV
GFEVPQQDVILPEY

Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (81); Rat (79)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

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[Protocol Download](#)

Gene Info — CAMK4

Entrez GeneID	814
GeneBank Accession#	NM_001744.3
Protein Accession#	NP_001735.1
Gene Name	CAMK4
Gene Alias	CaMK-GR, MGC36771
Gene Description	calcium/calmodulin-dependent protein kinase IV
Omim ID	114080
Gene Ontology	Hyperlink

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]

Other Designations

CAM kinase IV|CAM kinase- GR|brain Ca(2+)-calmodulin-dependent protein kinase type IV|brain Ca++-calmodulin-dependent protein kinase type IV|calcium/calmodulin-dependent protein kinase type IV catalytic chain

Pathway

- [Calcium signaling pathway](#)
- [Long-term potentiation](#)
- [Neurotrophin signaling pathway](#)

Disease

- [Alcoholism](#)
- [Azoospermia](#)
- [Genetic Predisposition to Disease](#)
- [Narcolepsy](#)
- [Oligospermia](#)
- [Tobacco Use Disorder](#)