

Rabbit anti-Mouse CAMKIV Monoclonal Antibody | anti-CAMK4 antibody

Recombinant Anti-CAMKIV Antibody, Rabbit Monoclonal

CATALOG # AAA257236	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

CAMKIV; Monoclonal Antibody; Recombinant Anti-CAMKIV Antibody; Rabbit Monoclonal; CaM Kinase 4/CaMKIV Antibody; Rabbit MAb; calcium/calmodulin-dependent protein kinase IV; Anti-A430110E23Rik Antibody; Anti-AI666733 Antibody; Anti-CaMKIV Antibody; Anti-CaMKIV/Gr Antibody; Anti-D18Bwg0362e Antibody; anti-CAMK4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	001
Specificity	Mouse CaM Kinase 4/CaMKIV
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CAMK4 antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Mouse CaM Kinase 4/CaMKIV protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse CaM Kinase 4/CaMKIV (rM CaM Kinase 4/CaMKIV).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of mouse CAMK4 in mouse brain with rabbit monoclonal antibody (1:500, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of mouse CAMK4 in mouse prostate with rabbit monoclonal antibody (1:500, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-CAMK4 antibody	Ca2+/ calmodulin-dependent protein kinase 4 (CAMKIV) belongs to the serine/threonine protein kinase family, and to the Ca2+/calmodulin-dependent protein kinase subfamily which is widely recognized as an essential enzyme implicated in the phosphoinositide amplification cascade. Ca2+/calmodulin dependent protein kinase (CAMK) can be activated by the intracellular increased Ca2+ and then apt to combine with the target protein. Ca2+/ calmodulin-dependent protein kinase 4 (CAMKIV) is a multifunctional CaM-dependent kinase protein with limited tissue distribution, that has been implicated in transcriptional regulation in lymphocytes, neurons and male germ cells. All of the isoforms of this family, including myosin light chain kinase, phosphorylase kinase, CaMK1, CaMKII α and CaMKIV have EF-hand structure.
Product Categories/Family for anti-CAMK4 antibody	EGFR Signaling Pathway
References	Feliciano DM, et al. (2009) Repression of Ca2+/calmodulin-dependent protein kinase IV signaling accelerates retinoic acid-induced differentiation of human neuroblastoma cells. J Biol Chem. 284 (39): 26466-81. Zhao X, et al. (2001). The modular nature of histone deacetylase HDAC4 confers phosphorylation-dependent intracellular trafficking. J Biol Chem. 276 (37): 35042-8. Racioppi L, et al. (2008) Calcium/calmodulin-dependent kinase IV in immune and inflammatory responses: novel routes for an ancient traveller.

NCBI AND UNIPROT INFORMATION

NCBI GI #	161086922
NCBI GeneID	12326
NCBI Accession #	NP_033923
NCBI GenBank Nucleotide #	NM_009793.3
UniProt Accession #	P08414 ; Q61381
Molecular Weight	52,628 Da
NCBI Official Full Name	calcium/calmodulin-dependent protein kinase type IV
NCBI Official Synonym Full Names	calcium/calmodulin-dependent protein kinase IV
NCBI Official Symbol	Camk4
NCBI Official Synonym Symbols	CaMKIV; AI666733; CaMKIV/Gr; D18Bwg0362e; A430110E23Rik
NCBI Protein Information	calcium/calmodulin-dependent protein kinase type IV
UniProt Protein Name	Calcium/calmodulin-dependent protein kinase type IV
UniProt Gene Name	Camk4
UniProt Synonym Gene Names	CaMK IV
UniProt Entry Name	KCC4_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/camkiv-antibody-clone-001-immunohistochemistry-elisa/257236>