

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

Anti-CAMKIV Antibody, Rabbit Polyclonal

CATALOG # AAA259471	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Immunohistochemistry, ELISA
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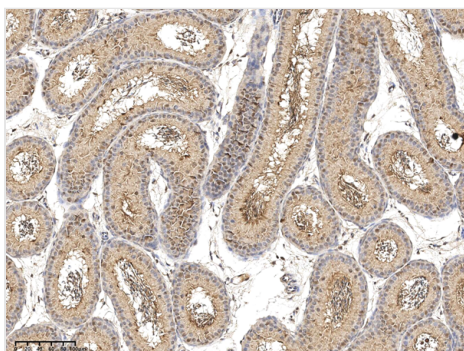
PRODUCT SYNONYMS

CAMKIV; Polyclonal Antibody; Anti-CAMKIV Antibody; Rabbit Polyclonal; CAMKIV Antibody; Rabbit PAb; Antigen Affinity Purified; calcium/calmodulin-dependent protein kinase IV; Anti-A430110E23Rik Antibody; Anti-Camk4 Antibody; Anti-CaMKIV Antibody; Anti-CaMKIV/Gr Antibody; Anti-D18Bwg0362e Antibody; anti-CAMK4 antibody

PRODUCT SPECIFICATIONS

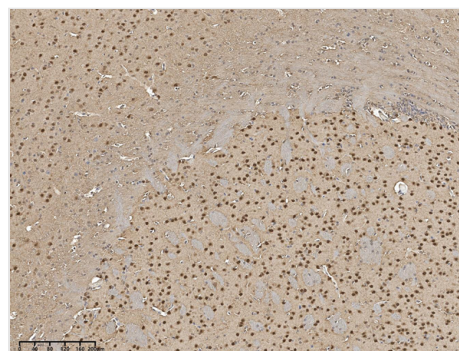
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse CAMKIV
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CAMK4 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Mouse CAMKIV Protein (P08414; Met1-Tyr469). CAMKIV specific IgG was purified by Mouse CAMKIV affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-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. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of Mouse CAMKIV in Mouse testis with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of Mouse CAMKIV in Mouse brain with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-CAMK4 antibody	Ca ²⁺ /calmodulin-dependent protein kinase 4 (CAMKIV) belongs to the serine/threonine protein kinase family, and to the Ca ²⁺ /calmodulin-dependent protein kinase subfamily which is widely recognized as an essential enzyme implicated in the phosphoinositide amplification cascade. Ca ²⁺ /calmodulin dependent protein kinase (CAMK) can be activated by the intracellular increased Ca ²⁺ and then apt to combine with the target protein. Ca ²⁺ /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 and CaMKIV have EF-hand structure.
Product Categories/Family for anti-CAMK4 antibody	EGFR Signaling Pathway
References	Felician. DM. e. al. (2009). Repressio. o. Ca2+/calmodulin-dependen. protei. kinas. I. signalin. accelerate. retinoid. acid-induce. differentiatio. o. huma. neuroblastom. cells. . Bio. Chem. 28. (39). 26466-81.Zha. X. e. al. (2001). Th. modula. natur. o. histon. deacetylas. HDAC. confer. phosphorylation-dependen. intracellula. trafficking. . Bio. Chem. 27. (37). 35042-8.Raciopp. L. e. al. (2008). Calcium/calmodulin-dependen. kinas. I. i. immun. an. inflammator. responses. nove. route. fo. a. ancien. 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.