Mouse anti-Human CAMKK2 Monoclonal Antibody | anti-CAMKK2 antibody

CAMKK2 (Calcium/Calmodulin-dependent Protein Kinase Kinase 2, CaM-kinase Kinase 2, CaM-KK 2, CaMKK 2, Calcium/Calmodulin-dependent Protein Kinase Kinase beta, CaM-kinase Kinase beta, CaM-KK beta, CaMKK beta, CAMKKB, KIAA0787) (Biotin)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24745	**Mouse**	**Human**	**ELISA, Immunoprecipitation, Western Blot**

PRODUCT SYNONYMS

CAMKK2; Monoclonal Antibody; CAMKK2 (Calcium/Calmodulin-dependent Protein Kinase Kinase 2; CaM-kinase Kinase 2; CaM-KK 2; CaMKK 2; Calcium/Calmodulin-dependent Protein Kinase Kinase beta; CaM-kinase Kinase beta; CaM-KK beta; CaMKK beta; CAMKKB; KIAA0787) (Biotin); anti-CAMKK2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1A11
Specificity	Recognizes human CAMKK2.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Sequence Length	2011
Applicable Applications for anti-CAMKK2 antibody	ELISA, IP (Immunoprecipitation), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa1-130 from CAMKK2 (AAH26060) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MSSCVSSQPSSNRAAPQDELGGRGSSSSESQKPCEALRGLSSLSIHLGMESFIVVTECEPGCAVDLGLARDRPLEADGQEVPLDSSGSQARPHLSGRKI
Conjugate	Biotin
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum after thawing and prior to removing the cap.

IMAGES

Application Data
Detection limit for recombinant GST tagged CAMKK2 is ~1ng/ml as a capture antibody.

IP (Immunoprecipitation)
Immunoprecipitation of CAMKK2 transfected lysate using CAMKK2 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with CAMKK2 rabbit polyclonal antibody.

WB (Western Blot)
Western Blot analysis of CAMKK2 expression in transfected 293T cell line by CAMKK2 monoclonal antibody Lane 1: CAMKK2 transfected lysate (59.6kD). Lane 2: Non-transfected lysate.

WB (Western Blot)
CAMKK2 monoclonal antibody Western Blot analysis of CAMKK2 expression in K-562.

WB (Western Blot)
CAMKK2 monoclonal antibody Western Blot analysis of CAMKK2 expression in IMR-32

WB (Western Blot)
Western Blot detection against Immunogen (40.3kD).

ADDITIONAL INFORMATION

Related Product Information for anti-CAMKK2 antibody	CAMKK2 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 by phosphorylating the downstream kinases CaMK1 and CaMK4. Isoform 1, isoform 2 and isoform 3 phosphorylate CAMK1 and CAMK4. Isoform 3 phosphorylates CAMK1D. Isoform 4, isoform 5 and isoform 6 lacking part of the calmodulin-binding domain are inactive. CAMKK2 appears to be involved in hippocampal activation of CREB1.
Product Categories/Family for anti-CAMKK2 antibody	Antibodies; Calmodulin
References	1. A regulatory feedback loop between Ca2+/Calmodulin-dependent protein kinase kinase 2 (CaMKK2) and the androgen receptor in prostate cancer progression. Karacosta LG, Foster BA, Azabdaftari G, Feliciano DM, Edelman AM.J Biol Chem. 2012 Jun 1.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33991300
NCBI GeneID	10645
NCBI Official Full Name	Homo sapiens calcium/calmodulin-dependent protein kinase kinase 2, beta, mRNA
NCBI Official Synonym Full Names	calcium/calmodulin dependent protein kinase kinase 2
NCBI Official Symbol	CAMKK2
NCBI Official Synonym Symbols	CAMKK; CAMKKB
NCBI Protein Information	calcium/calmodulin-dependent protein kinase kinase 2

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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/camkk2-antibody-clone-1a11-immunoprecipitation-western-blot-elisa/24745