

## Mouse anti-Human, mouse CAMKK2 Monoclonal Antibody | anti-CAMKK2 antibody

CAMKK2 Antibody

|                               |                      |                                   |                                            |
|-------------------------------|----------------------|-----------------------------------|--------------------------------------------|
| CATALOG #<br><b>AAA283417</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human, mouse</b> | APPLICATIONS<br><b>ELISA, Western Blot</b> |
|-------------------------------|----------------------|-----------------------------------|--------------------------------------------|

### PRODUCT SYNONYMS

CAMKK2; Monoclonal Antibody; CAMKK2 Antibody; Calcium/calmodulin-dependent protein kinase kinase 2; CaM-KK 2; CaM-kinase kinase 2; CaMKK 2; Calcium/calmodulin-dependent protein kinase kinase beta; CaM-KK beta; CaM-kinase kinase beta; CaMKK beta; CAMKKB; KIAA0787; anti-CAMKK2 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                   |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Mouse                                                                                                                                                             |
| Reactivity                                       | Human, mouse                                                                                                                                                      |
| Clonality                                        | Monoclonal                                                                                                                                                        |
| Isotype                                          | IgM,k                                                                                                                                                             |
| Clone Number                                     | 239CT7.5.3                                                                                                                                                        |
| Specificity                                      | This CAMKK2 monoclonal antibody is generated from mouse immunized with CAMKK2 recombinant protein.                                                                |
| Form/Format                                      | Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Euglobin precipitation followed by dialysis against PBS. |
| Concentration                                    | Vial Concentration: 2 (varies by lot)                                                                                                                             |
| Sequence Length                                  | 588                                                                                                                                                               |
| Applicable Applications for anti-CAMKK2 antibody | ELISA, WB (Western Blot)                                                                                                                                          |
| Antigen Type                                     | Recombinant Protein                                                                                                                                               |
| Antigen Source                                   | HUMAN                                                                                                                                                             |
| Preparation and Storage                          | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.            |

### IMAGES



#### WB (Western Blot)

CAMKK2 western blot analysis in mouse cerebellum tissue lysates (35ug/lane). This demonstrates the CAMKK2 antibody detected the CAMKK2 protein (arrow).



#### WB (Western Blot)

CAMKK2 western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the CAMKK2 antibody detected the CAMKK2 protein (arrow).

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CAMKK2 antibody | 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 by phosphorylating the downstream kinases CaMK1 and CaMK4. Seven transcript variants encoding six distinct isoforms have been identified for this gene. Additional splice variants have been described but their full-length nature has not been determined. The identified isoforms exhibit a distinct ability to undergo autophosphorylation and to phosphorylate the downstream kinases. |
| Product Categories/Family for anti-CAMKK2 antibody   | Cancer; Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| References                                           | Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :<br>Fogarty, S., et al. Biochem. J. 426(1):109-118(2010)<br>Kimura, T., et al. J. Biol. Chem. 285(7):4387-4397(2010)<br>Schmitt, J.M., et al. Mol. Cell. Biochem. 335 (1-2), 155-171 (2010) :<br>Junker, J.P., et al. Proc. Natl. Acad. Sci. U.S.A. 106(34):14361-14366(2009)                                                                                                                                                                                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 394953961                                                                                                                 |
| NCBI GeneID                      | 10645                                                                                                                     |
| NCBI Accession #                 | NP_001257414.1; NP_001257415.1; NP_006540.3; NP_705719.2; NP_705720.1; NP_757363.1; NP_757364.1; NP_757365.1; NP_757380.1 |
| NCBI GenBank Nucleotide #        | NM_001270485.1                                                                                                            |
| UniProt Accession #              | Q96RR4; O94883; Q8IUG2; Q8IUG3; Q8N3I4; Q8WY03; Q8WY04; Q8WY05; Q8WY06; Q96RP1; Q96RP2; A8K7Q7                            |
| Molecular Weight                 | 64746                                                                                                                     |
| NCBI Official Full Name          | calcium/calmodulin-dependent protein kinase kinase 2 isoform 1                                                            |
| NCBI Official Synonym Full Names | calcium/calmodulin-dependent protein kinase kinase 2, beta                                                                |
| NCBI Official Symbol             | CAMKK2                                                                                                                    |
| NCBI Official Synonym Symbols    | CAMKK; CAMKKB                                                                                                             |
| NCBI Protein Information         | calcium/calmodulin-dependent protein kinase kinase 2                                                                      |
| UniProt Protein Name             | Calcium/calmodulin-dependent protein kinase kinase 2                                                                      |
| UniProt Gene Name                | CAMKK2                                                                                                                    |
| UniProt Synonym Gene Names       | CAMKKB; KIAA0787; CaM-KK 2; CaM-kinase kinase 2; CaMKK 2; CaM-KK beta; CaM-kinase kinase beta; CaMKK beta                 |
| UniProt Entry Name               | KKCC2_HUMAN                                                                                                               |

**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-239ct7-5-3-western-blot-elisa/283417>