

## Rabbit anti-Human CaMKK alpha Polyclonal Antibody | anti-CaMKKalpha antibody

Rabbit anti-CaMKK alpha Antibody, Affinity Purified

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                            |
|-----------|--------|------------|---------------------------------------------------------|
| AAA211959 | Rabbit | Human      | Immunohistochemistry, Immunoprecipitation, Western Blot |

### PRODUCT SYNONYMS

CaMKK alpha; Polyclonal Antibody; Rabbit anti-CaMKK alpha Antibody; Affinity Purified; caM-KK 1; caM-kinase kinase 1; CAMKKA; CAMKK alpha protein; caM-KK alpha; caM-kinase kinase alpha; caM-kinase IV kinase; calcium/calmodulin-dependent protein kinase kinase alpha; calcium/calmodulin-dependent protein kinase kinase 1; alpha; caMKK 1; Calcium/calmodulin-dependent protein kinase kinase 1; calcium/calmodulin dependent protein kinase kinase 1; anti-CaMKKalpha antibody

### PRODUCT SPECIFICATIONS

|                                                      |                                                                                    |
|------------------------------------------------------|------------------------------------------------------------------------------------|
| Host                                                 | Rabbit                                                                             |
| Reactivity                                           | Human                                                                              |
| Clonality                                            | Polyclonal                                                                         |
| Purity/Purification                                  | Antigen Affinity Purified                                                          |
| Form/Format                                          | Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide |
| Concentration                                        | 200ug/ml (varies by lot)                                                           |
| Applicable Applications for anti-CaMKKalpha antibody | IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)            |
| Predicted Reactivity                                 | Mouse, Rat                                                                         |
| Immunogen                                            | Between 455 and C-terminus                                                         |
| Conjugation                                          | Unconjugated                                                                       |
| Preparation and Storage                              | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                   |

### IMAGES



#### WB (Western Blot)

Detection of human CaMKK alpha by western blot and immunoprecipitation. Samples: Whole cell lysate from HeLa (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) and HEK293T (T; 50 ug) cells. Antibodies: Affinity purified rabbit anti-CaMKK alpha antibody AAA211959 used for WB at 0.04 ug/ml (A) and 1 ug/ml (B) and used for IP at 3 ug/mg lysate. CaMKK alpha was also immunoprecipitated by rabbit anti-CaMKK alpha antibody which recognizes an upstream epitope. Detection: Chemiluminescence with exposure times of 30 seconds (A) and 10 seconds (B).



#### IHC (Immunohistochemistry)

Detection of human CaMKK alpha by immunohistochemistry. Sample: FFPE section of human lung carcinoma (left) and human prostate carcinoma (right). Antibody: Affinity purified rabbit anti-CaMKK alpha (Cat. No. AAA211959 Lot1) used at a dilution of 1:200 (1ug/ml). Detection: DAB

### ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CaMKKalpha antibody | CaMKK alpha is a calcium/calmodulin-dependent protein kinase that phosphorylates CAMK1, CAMK1D, CAMK1G and CAMK4. CaMKK alpha is involved in regulating cell apoptosis. It promotes cell survival by phosphorylating AKT1/PKB that inhibits pro-apoptotic BAD/Bcl2-antagonist of cell death [taken from the Universal Protein Resource (UniProt) <a href="http://www.uniprot.org/uniprot/Q8N5S9">www.uniprot.org/uniprot/Q8N5S9</a> ]. |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 14150045                                                                                                                                                                                                                                 |
| NCBI GeneID                      | 84254                                                                                                                                                                                                                                    |
| NCBI Accession #                 | NP_115670.1                                                                                                                                                                                                                              |
| NCBI GenBank Nucleotide #        | NM_032294.2                                                                                                                                                                                                                              |
| UniProt Accession #              | Q8N5S9; Q9BQH3                                                                                                                                                                                                                           |
| Molecular Weight                 | 57,523 Da                                                                                                                                                                                                                                |
| NCBI Official Full Name          | calcium/calmodulin-dependent protein kinase kinase 1 isoform a                                                                                                                                                                           |
| NCBI Official Synonym Full Names | calcium/calmodulin-dependent protein kinase kinase 1, alpha                                                                                                                                                                              |
| NCBI Official Symbol             | CAMKK1                                                                                                                                                                                                                                   |
| NCBI Official Synonym Symbols    | CAMKKA                                                                                                                                                                                                                                   |
| NCBI Protein Information         | calcium/calmodulin-dependent protein kinase kinase 1; caMKK 1; caM-KK 1; caM-KK alpha; CAMKK alpha protein; caM-kinase kinase 1; caM-kinase IV kinase; caM-kinase kinase alpha; calcium/calmodulin-dependent protein kinase kinase alpha |
| UniProt Protein Name             | Calcium/calmodulin-dependent protein kinase kinase 1                                                                                                                                                                                     |
| UniProt Gene Name                | <b>CAMKK1</b>                                                                                                                                                                                                                            |
| UniProt Synonym Gene Names       | CAMKKA; CaM-KK 1; CaM-kinase kinase 1; CaMKK 1; CaM-KK alpha; CaM-kinase kinase alpha; CaMKK alpha                                                                                                                                       |
| UniProt Entry Name               | KKCC1_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/polyclonal/camkk-alpha-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/211959>