

## Rabbit CAMK2G Polyclonal Antibody | anti-CAMK2G antibody

CAMK2G antibody - C-terminal region

| CATALOG # | HOST   | REACTIVITY                                                                                                                          | APPLICATIONS |
|-----------|--------|-------------------------------------------------------------------------------------------------------------------------------------|--------------|
| AAA201146 | Rabbit | Tested Species Reactivity: Human<br>Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish | Western Blot |

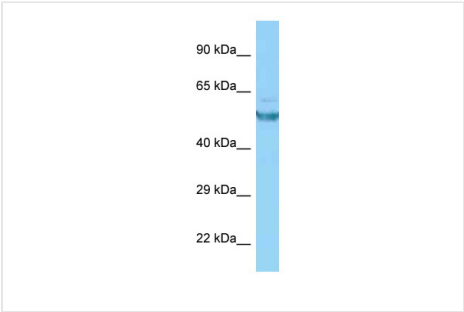
### PRODUCT SYNONYMS

CAMK2G; Polyclonal Antibody; CAMK2G antibody - C-terminal region; anti-CAMK2G antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                                 |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                                                          |
| Reactivity                                       | Tested Species Reactivity: Human<br>Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish                                                                                                                             |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                                                      |
| Purity/Purification                              | Affinity Purified                                                                                                                                                                                                                                               |
| Form/Format                                      | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                                                                                                                               |
| Concentration                                    | 0.5 mg/ml (varies by lot)                                                                                                                                                                                                                                       |
| Sequence                                         | Synthetic peptide located within the following region: SR NFSAAKSLLN KKSDGGVKPQ SNNKNSLEPQ TTVVHNATDG IKGSTESC                                                                                                                                                  |
| Sequence Length                                  | 504                                                                                                                                                                                                                                                             |
| Applicable Applications for anti-CAMK2G antibody | WB (Western Blot)                                                                                                                                                                                                                                               |
| Homology                                         | Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 86%                                                                                                                                          |
| Protein Size (# AA)                              | 504 amino acids                                                                                                                                                                                                                                                 |
| Protein Interactions                             | SUMO1; NEDD8; RRAD; fem-2; PPM1F; UBC; HSP90AA1; GRIN2B; GRIN1; CAMK2G; CUL3; MYC; MALT1; BCL10; RCHY1; USP19; LRRC7; CABP2; CHAT; ACTN4; PEA15; SMAD3; SMAD4; MYLK; TIAM1; STAT1; ADCY3; PLCB3; SYN1; FLNA; TH; SPR; RYR1; GRIA1; GRIA4; EGFR; CREM; ATF1; CAL |
| Preparation and Storage                          | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                                                                                           |

IMAGES



WB (Western Blot)  
WB Suggested Anti-CAMK2G Antibody Titration: 1.0 ug/ml Positive Control: THP-1 Whole Cell

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CAMK2G antibody | Target Description: The product of this gene is one of the four subunits of an enzyme which belongs to the serine/threonine protein kinase family, and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. In mammalian cells the enzyme is composed of four different chains: alpha, beta, gamma, and delta. The product of this gene is a gamma chain. Many alternatively spliced transcripts encoding different isoforms have been described but the full-length nature of all the variants has not been determined. |
| Product Categories/Family for anti-CAMK2G antibody   | Polyclonal; Lymphocyte Signaling; Mitochondria; Neuroscience; Meiosis/Mitosis/Cell Cycle; Phosphorylation; Cell Differentiation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                             |
|----------------------------------|-----------------------------------------------------------------------------|
| NCBI GI #                        | 26667211                                                                    |
| NCBI GeneID                      | 818                                                                         |
| NCBI Accession #                 | NP_751913                                                                   |
| NCBI GenBank Nucleotide #        | NM_172173                                                                   |
| UniProt Accession #              | Q13555                                                                      |
| Molecular Weight                 | 55kDa                                                                       |
| NCBI Official Full Name          | calcium/calmodulin-dependent protein kinase type II subunit gamma isoform 6 |
| NCBI Official Synonym Full Names | calcium/calmodulin dependent protein kinase II gamma                        |
| NCBI Official Symbol             | CAMK2G                                                                      |
| NCBI Official Synonym Symbols    | CAMK; CAMKG; CAMK-II                                                        |
| NCBI Protein Information         | calcium/calmodulin-dependent protein kinase type II subunit gamma           |
| UniProt Protein Name             | Calcium/calmodulin-dependent protein kinase type II subunit gamma           |
| UniProt Gene Name                | CAMK2G                                                                      |
| UniProt Synonym Gene Names       | CAMK; CAMK-II; CAMKG; CaM kinase II subunit gamma; CaMK-II subunit gamma    |
| UniProt Entry Name               | KCC2G_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.