

CAMK2G Rabbit pAb

Catalog No.: A21668

Basic Information

Observed MW

Refer to figures

Calculated MW

63kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

Background

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.

Recommended Dilutions

| | |
|--------|----------------|
| WB | 1:500 - 1:2000 |
| IHC-P | 1:50 - 1:100 |
| IF/ICC | 1:50 - 1:200 |

Immunogen Information

Gene ID

818

Swiss Prot

Q13555

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 300-410 of human CAMK2G (NP_751909.1).

Synonyms

CAMK; CAMKG; MRD59; CAMK-II; CAMK2G

Contact

| | |
|---|---------------------------|
| ☎ | 400-999-6126 |
| ✉ | cn.market@abclonal.com.cn |
| 🌐 | www.abclonal.com.cn |

Product Information

Source

Rabbit

Isotype

IgG

Purification

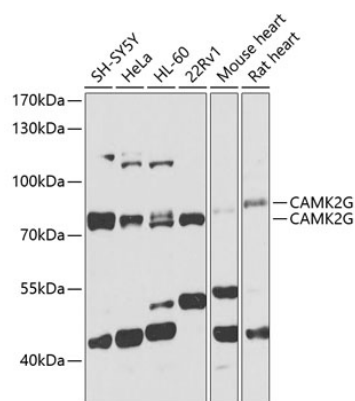
Affinity purification

Storage

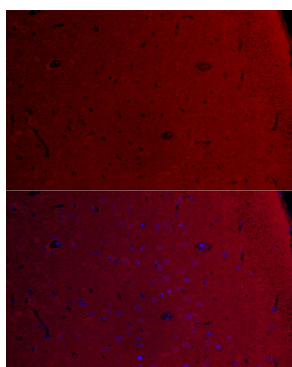
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

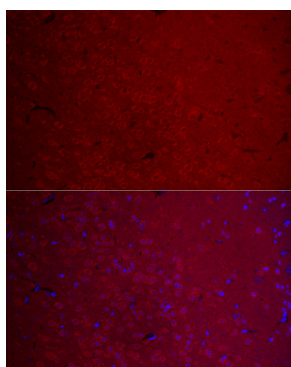
Validation Data



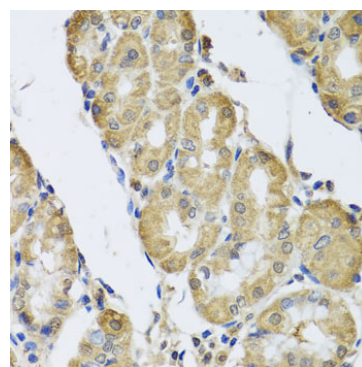
Western blot analysis of various lysates using CAMK2G Rabbit pAb (A21668) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



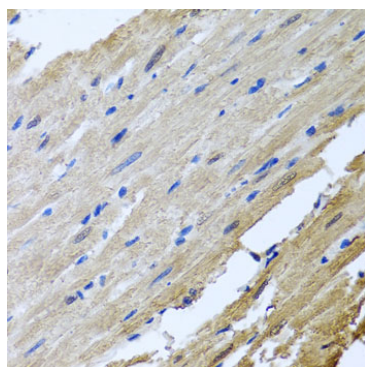
Immunofluorescence analysis of paraffin-embedded Rat brain using CAMK2G Rabbit pAb (A21668) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



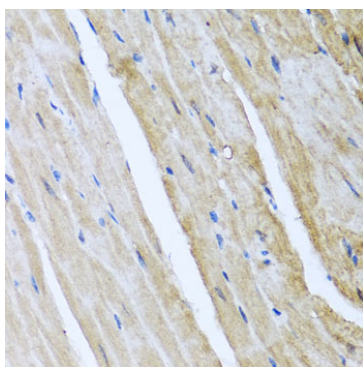
Immunofluorescence analysis of paraffin-embedded Mouse brain using CAMK2G Rabbit pAb (A21668) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of CAMK2G in paraffin-embedded human stomach using CAMK2G Rabbit pAb (A21668) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of CAMK2G in paraffin-embedded rat heart using CAMK2G Rabbit pAb (A21668) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of CAMK2G in paraffin-embedded mouse heart using CAMK2G Rabbit pAb (A21668) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.