

## Anti-CAMK2G Antibody

Catalog Number: A04046-3

### About CAMK2G

CaMKII gamma, also named CAMKG or CAMK2G, belongs to the protein kinase superfamily, CAMK Ser/Thr protein kinase family, and CaMK subfamily. CAMK2 is a prominent kinase in the central nervous system that may function in long-term potentiation and neurotransmitter release. CAMK2G is expressed in human beta cells as a candidate gene for Type II (non-insulin-dependent) diabetes mellitus. Some studies can be used to assess the role of CAMK2G in the susceptibility to Type II diabetes (PMID: 12032636). CAMK2G has some isoforms with the MW of 55-66 kDa and this antibody can recognize all the isoforms of CAMK2G. This antibody may have cross-reaction with CAMK2A/B/D due to the high homology.

### Overview

Product Name	Anti-CAMK2G Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-CAMK2G Antibody catalog # A04046-3. Tested in WB, IHC, ICC, IF, IP, ELISA applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IP, IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg stabilizing protein and 50% glycerol *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt $-20^{\circ}\text{C}$ as supplied. 6 months $2$ to $8^{\circ}\text{C}$ after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q13555

### Technical Details

Immunogen	E.coli-derived human CAMK2G recombinant protein (Position: H220-P525).
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-400 Immunocytochemistry/Immunofluorescence, 1:50-400

ImmunoPrecipitation, 1:250-300  
ELISA, 1:100-1000

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