

For Research Use Only

CAMK2G Monoclonal antibody, PBS Only

Catalog Number: 68519-1-PBS



Basic Information

Catalog Number:

68519-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG23180

GenBank Accession Number:

BC034044

GeneID (NCBI):

818

UNIPROT ID:

Q13555

Full Name:

calcium/calmodulin-dependent
protein kinase II gamma

Calculated MW:

527 aa, 59 kDa

Observed MW:

64 kDa

Purification Method:

Protein A purification

CloneNo.:

1C12H10

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat, pig, rabbit

Background Information

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.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

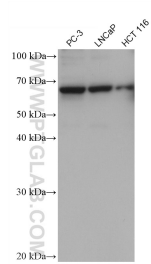
T: 4006900926

E: Proteintech-CN@ptglab.com

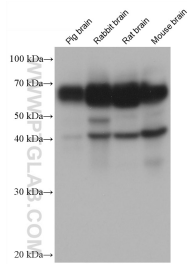
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68519-1-Ig (CAMK2G antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68519-1-PBS in a different storage buffer formulation.



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