

CaMKII gamma-Specific Polyclonal antibody

Catalog Number: 55140-1-AP

2 Publications

Basic Information

Catalog Number:

55140-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001222

GeneID (NCBI):

818

UNIPROT ID:

Q13555

Full Name:

calcium/calmodulin-dependent protein kinase II gamma

Calculated MW:

65 kDa

Observed MW:

45-65 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:20-1:200

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse brain tissue,

IHC : human skeletal muscle tissue,

Background Information

CaMKII gamma, also named as CAMKG, belongs to the protein kinase superfamily, CAMK Ser/Thr protein kinase family and CaMK subfamily. It is a prominent kinase in the central nervous system that may function in long-term potentiation and neurotransmitter release. CaMK2 is a Ca²⁺-signaling intermediate that contains α , β , γ and δ subunits. The antibody is specific to CAMK2G.

Notable Publications

Author	Pubmed ID	Journal	Application
Ya Peng	33761465	Aging (Albany NY)	WB
Qingfeng Yu	31247466	Biomed Pharmacother	WB

Storage

Storage:

Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

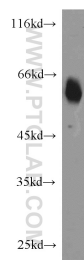
For technical support and original validation data for this product please contact:

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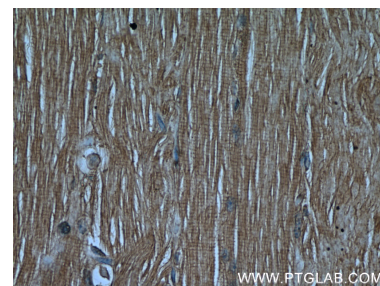
Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 55140-1-AP (CaMKII gamma-Specific antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skeletal muscle using 55140-1-AP (CaMKII gamma-Specific antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle using 55140-1-AP (CaMKII gamma-Specific antibody) at dilution of 1:50 (under 40x lens).