

CAMK2G Antibody

Catalog No: #48383



Package Size: #48383-1 50ul #48383-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

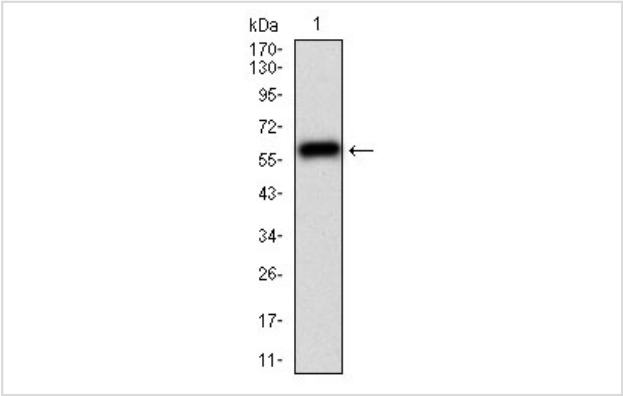
Description

Product Name	CAMK2G Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	10C-G1
Purification	ProA affinity purified
Applications	WB, IHC, FC
Species Reactivity	Hu, Rt
Immunogen Description	Recombinant protein
Other Names	Calcium/calmodulin dependent protein kinase II alpha antibody Calcium/calmodulin dependent protein kinase II beta antibody Calcium/calmodulin dependent protein kinase II delta antibody Calcium/calmodulin dependent protein kinase II gamma antibody Calcium/calmodulin-dependent protein kinase type II subunit alpha antibody CaM kinase II alpha antibody CaM kinase II antibody CaM kinase II beta antibody CaM kinase II delta antibody CaM kinase II gamma antibody CaM kinase II subunit alpha antibody CaMK-II subunit alpha antibody CAMK2 antibody Camk2a antibody CAMK2B antibody CAMK2D antibody CAMK2G antibody CAMKA antibody KCC2A_HUMAN antibody
Accession No.	Swiss-Prot#:Q13555
Uniprot	Q13555
GeneID	818;
Calculated MW	63 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

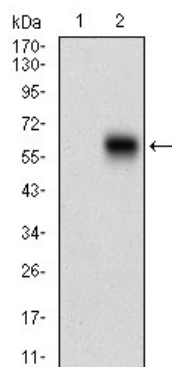
Application Details

WB: 1:500-1:2,000IHC: 1:200-1:500 FC: 1:50-1:100

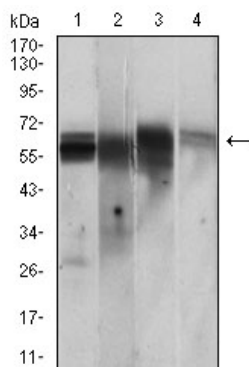
Images



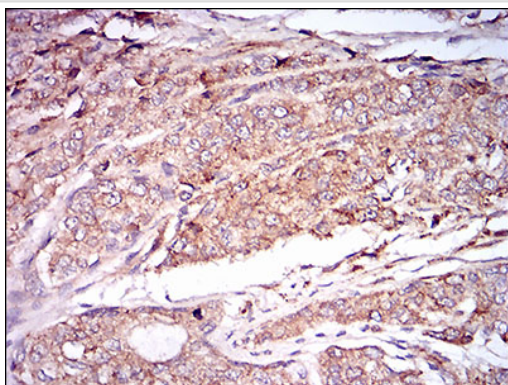
Western blot analysis of CaMKII gamma on human CaMKII gamma recombinant protein using anti-CaMKII gamma antibody at 1/1,000 dilution.



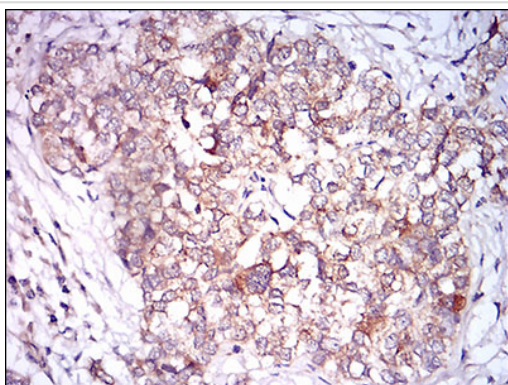
Western blot analysis of CaMKII gamma on HEK293 (1) and CaMKII gamma -hlgGfc transfected HEK293 (2) cell lysate using anti- CaMKII gamma antibody at 1/1,000 dilution.



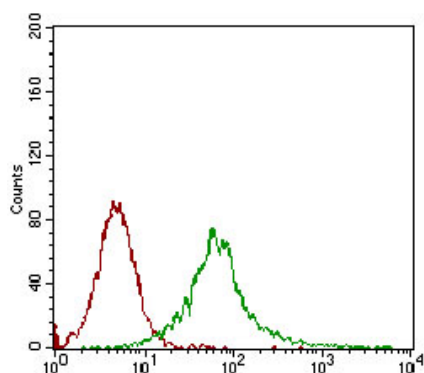
Western blot analysis of CaMKII gamma on different cell lysate using anti- CaMKII gamma antibody at 1/1,000 dilution.
Positive control
Line1: PC-12
Line2: Jurkat
Line3: T47D
Line4: HepG2



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue using anti- CaMKII gamma antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human bladder cancer tissue using anti- CaMKII gamma antibody. Counter stained with hematoxylin.



Flow cytometric analysis of Jurkat cells with CaMKII gamma antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).

Background

The Ca²⁺/calmodulin-dependent protein kinases (CaM kinases) comprise a structurally related subfamily of serine/threonine kinases which include CaMKI, CaMKII and CaMKIV. CaMKII is a ubiquitously expressed serine/threonine protein kinase that is activated by Ca²⁺ and calmodulin (CaM) and has been implicated in regulation of the cell cycle and transcription. There are four CaMKII isozymes designated α , β , γ and δ , which may or may not be co-expressed in the same tissue type. CaMKIV is stimulated by Ca²⁺ and CaM but also requires phosphorylation by a CaMK for full activation. Stimulation of the T cell receptor CD3 signaling complex with an anti-CD3 monoclonal antibody leads to a 10-40 fold increase in CaMKIV activity. An additional kinase, CaMKK, functions to activate CaMKI through the specific phosphorylation of the regulatory Threonine residue at position 177.

References

Note: This product is for in vitro research use only