

Rabbit CAMK2G Polyclonal Antibody | anti-CAMK2G antibody

CAMK2G Rabbit pAb

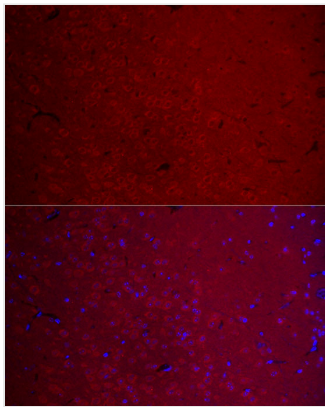
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28433	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry

PRODUCT SYNONYMS

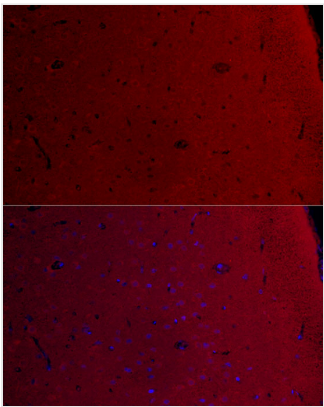
CAMK2G; Polyclonal Antibody; CAMK2G Rabbit pAb; CAMK; CAMK-II; CAMKG; calcium/calmodulin dependent protein kinase II gamma; anti-CAMK2G antibody

PRODUCT SPECIFICATIONS

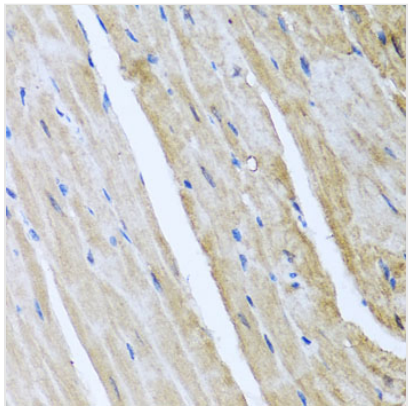
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	DSATEVTGHR WLKGGVVLKE DALPGQKTEF KVDSDDQWGE YSCVFLPEPM GTANIQLHGP PRVKAVKSSE HINEGETAML VCKSESVPV TDWAWYKTD SEDKALMNGS ESRFFVSSSQ GRSELHIENL NMEADPGQYR CNGTSSKGSQ QAIITL
Applicable Applications for anti-CAMK2G antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:100 IF/ICC: 1:50-1:200
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 300-410 of human CAMK2G (NP_751909.1).
Cellular Location	Cytoplasmic side, Peripheral membrane protein, Sarcoplasmic reticulum membrane
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



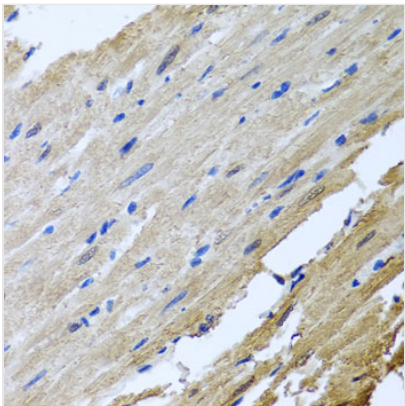
IF (Immunofluorescence)
Immunofluorescence analysis of Mouse brain using CAMK2G antibody at dilution of 1 : 100 (40x lens). Blue: DAPI for nuclear staining.



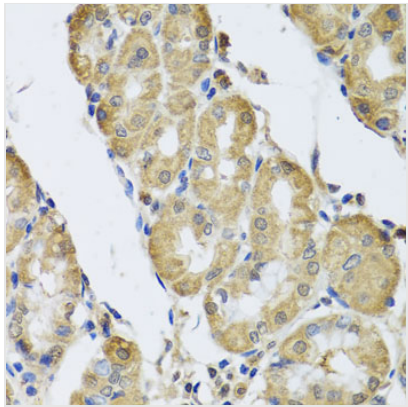
IF (Immunofluorescence)
Immunofluorescence analysis of Rat brain using CAMK2G antibody at dilution of 1 : 100 (40x lens). Blue: DAPI for nuclear staining.



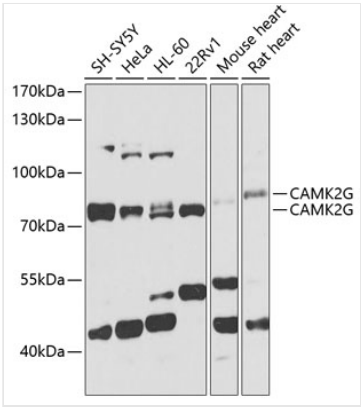
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded mouse heart using CAMK2G antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded rat heart using CAMK2G antibody 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.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human stomach using CAMK2G antibody 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.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using CAMK2G antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-CAMK2G antibody	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.
Product Categories/Family for anti-CAMK2G antibody	Signal Transduction; G protein signaling; G2/M DNA Damage Checkpoint; Kinase; Phospholipase Signaling Pathway; ErbB-HER Signaling Pathway; Cell Biology & Developmental Biology; Apoptosis; Mitochondrial Control of Apoptosis; Immunology & Inflammation; B Ce

NCBI AND UNIPROT INFORMATION

NCBI GI #	38372919
NCBI GeneID	682
NCBI Accession #	NP_001719.2
NCBI GenBank Nucleotide #	NM_001728.3
UniProt Accession #	P35613; Q7Z796; Q8IZL7; A6NJW1; D3YLG5
Molecular Weight	42,200 Da
NCBI Official Full Name	basigin isoform 1
NCBI Official Synonym Full Names	basigin (Ok blood group)
NCBI Official Symbol	BSG
NCBI Official Synonym Symbols	M6; OK; 5F7; TCSF; CD147; EMMPRIN
NCBI Protein Information	basigin; CD147 antigen; OK blood group antigen; collagenase stimulatory factor; leukocyte activation antigen M6; extracellular matrix metalloproteinase inducer; tumor cell-derived collagenase stimulatory factor
UniProt Protein Name	Basigin
UniProt Gene Name	BSG
UniProt Synonym Gene Names	EMMPRIN; TCSF
UniProt Entry Name	BASI_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/camk2g-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/28433>