

Rabbit CACNG4 Polyclonal Antibody | anti-CACNG4 antibody

CACNG4 Antibody (Center)

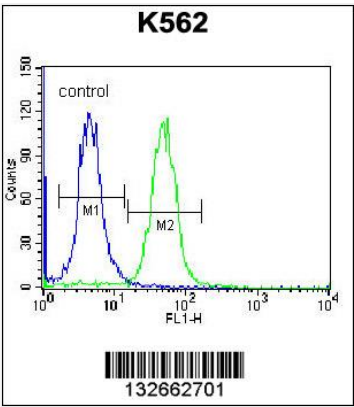
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289741	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

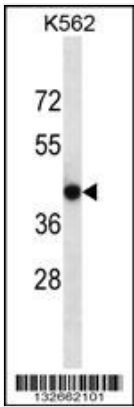
CACNG4; Polyclonal Antibody; CACNG4 Antibody (Center); Voltage-dependent calcium channel gamma-4 subunit; Neuronal voltage-gated calcium channel gamma-4 subunit; Transmembrane AMPAR regulatory protein gamma-4; TARP gamma-4; anti-CACNG4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CACNG4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 147-175 amino acids from the Central region of human CACNG4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	147-175
Sequence Length	327
Applicable Applications for anti-CACNG4 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
CACNG4 Antibody (Center) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
CACNG4 Antibody (Center) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the CACNG4 antibody detected the CACNG4 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CACNG4 antibody	The protein encoded by this gene is a type I transmembrane AMPA receptor regulatory protein (TARP). TARPs regulate both trafficking and channel gating of the AMPA receptors. This gene is part of a functionally diverse eight-member protein subfamily of the PMP-22/EMP/MP20 family and is located in a cluster with two family members, a type II TARP and a calcium channel gamma subunit.
Product Categories/Family for anti-CACNG4 antibody	Neuroscience; Signal Transduction
References	Sager, C., et al. Neuroscience 158(1):45-54(2009) Chen, R.S., et al. Cell Biochem. Biophys. 47(2):178-186(2007) Moss, F.J., et al. BMC Neurosci 4, 23 (2003) : Chu, P.J., et al. Gene 280 (1-2), 37-48 (2001) : Burgess, D.L., et al. Genomics 71(3):339-350(2001)

NCBI AND UNIPROT INFORMATION

NCBI GI #	7656948
NCBI GeneID	27092
NCBI Accession #	NP_055220.1
NCBI GenBank Nucleotide #	NM_014405.3
UniProt Accession #	Q9UBN1; B2RCK0
Molecular Weight	36579
NCBI Official Full Name	voltage-dependent calcium channel gamma-4 subunit
NCBI Official Synonym Full Names	calcium channel, voltage-dependent, gamma subunit 4
NCBI Official Symbol	CACNG4
NCBI Protein Information	voltage-dependent calcium channel gamma-4 subunit
UniProt Protein Name	Voltage-dependent calcium channel gamma-4 subunit
UniProt Gene Name	CACNG4
UniProt Synonym Gene Names	TARP gamma-4

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://www.aaabiotech.com/polyclonal/cacng4-antibody-flow-cytometry-western-blot-elisa/289741>