

Rabbit CACNG5 Polyclonal Antibody | anti-CACNG5 antibody

CACNG5 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288488	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

CACNG5; Polyclonal Antibody; CACNG5 Antibody (C-term); Voltage-dependent calcium channel gamma-5 subunit; Neuronal voltage-gated calcium channel gamma-5 subunit; Transmembrane AMPAR regulatory protein gamma-5; TARP gamma-5; anti-CACNG5 antibody

PRODUCT SPECIFICATIONS

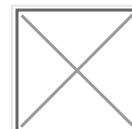
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CACNG5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 192-220 amino acids from the C-terminal region of human CACNG5.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	192-220
Sequence Length	275
Applicable Applications for anti-CACNG5 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), 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.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of K562 cells using CACNG5 Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human brain tissue reacted with CACNG5 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of CACNG5 antibody (C-term) in K562 cell line lysates (35ug/lane).
CACNG5 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CACNG5 antibody	L-type calcium channels are composed of five subunits. The protein CACNG5 represents one of these subunits, gamma, and is one of several gamma subunit proteins. It is an integral membrane protein that is thought to stabilize the calcium channel in an inactive (closed) state.
Product Categories/Family for anti-CACNG5 antibody	Signal Transduction
References	Chu,P.J., Gene 280 (1-2), 37-48 (2001)

NCBI AND UNIPROT INFORMATION

NCBI GI #	22027551
NCBI GeneID	27091
NCBI Accession #	NP_665810.1
NCBI GenBank Nucleotide #	NM_145811.2
UniProt Accession #	Q9UF02 ; Q547R3 ; Q8WXS7 ; Q9UHM3 ; A8K2A6
Molecular Weight	30903
NCBI Official Full Name	voltage-dependent calcium channel gamma-5 subunit
NCBI Official Synonym Full Names	calcium channel, voltage-dependent, gamma subunit 5
NCBI Official Symbol	CACNG5
NCBI Protein Information	voltage-dependent calcium channel gamma-5 subunit
UniProt Protein Name	Voltage-dependent calcium channel gamma-5 subunit
UniProt Gene Name	CACNG5
UniProt Synonym Gene Names	TARP gamma-5
UniProt Entry Name	CCG5_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/cacng5-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/288488>