

Rabbit anti-Human, Rat CACNG4 Polyclonal Antibody | anti-CACNG4 antibody

CACNG4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29944	Rabbit	Human, Rat	Western Blot, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay

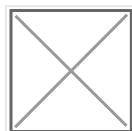
PRODUCT SYNONYMS

CACNG4; Polyclonal Antibody; CACNG4 Antibody; CACNG4 antibody; Calcium channel voltage dependent gamma subunit 4 antibody; CCG4_HUMAN antibody; Neuronal voltage gated calcium channel gamma 4 subunit antibody; Neuronal voltage-gated calcium channel gamma-4 subunit antibody; TARP gamma-4 antibody; Transmembrane AMPAR regulatory protein gamma-4 antibody; Voltage dependent calcium channel gamma 4 subunit antibody; Voltage-dependent calcium channel gamma-4 subunit antibody; anti-CACNG4 antibody

PRODUCT SPECIFICATIONS

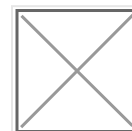
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Purity/Purification	Peptide affinity purified.
Form/Format	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-CACNG4 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:500-1:1000 IHC: 1:50 ICC: 1:50-1:100 FC/FACS: 1:50-1:100
Immunogen	Synthetic peptide within rat Cacng4 aa 150-250.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



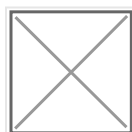
FCM (Flow Cytometry)

Flow cytometric analysis of SH-SY5Y cells with Cacng4 antibody at 1/100 dilution (fuchsia) compared with an unlabelled control (cells without incubation with primary antibody; yellow). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.



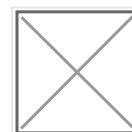
ICC (Immunocytochemistry)

ICC staining Cacng4 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



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ICC staining Cacng4 in SH-SY5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Cacng4 antibody. Counter stained with hematoxylin.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti- Cacng4 antibody. Counter stained with hematoxylin.

**WB (Western Blot)**

Western blot analysis of Cacng4 on MCF-7 cell lysate using anti-Cacng4 antibody at 1/500 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-CACNG4 antibody	Regulates the activity of L-type calcium channels that contain CACNA1C as pore-forming subunit. Regulates the trafficking and gating properties of AMPA-selective glutamate receptors (AMPA), including GRIA1 and GRIA4. Promotes their targeting to the cell membrane and synapses and modulates their gating properties by slowing their rates of activation, deactivation and desensitization and by mediating their resensitization.
Product Categories/Family for anti-CACNG4 antibody	Total protein Ab

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	36,579 Da
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; TARP gamma-4; transmembrane AMPAR regulatory protein gamma-4; neuronal voltage-gated 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
UniProt Entry Name	CCG4_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/cacng4-antibody-western-blot-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/29944>