

Rabbit CACNG2 Polyclonal Antibody | anti-CACNG2 antibody

CACNG2 Polyclonal Antibody

CATALOG # AAA173744	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

CACNG2; Polyclonal Antibody; CACNG2 Polyclonal Antibody; anti-CACNG2 antibody

PRODUCT SPECIFICATIONS

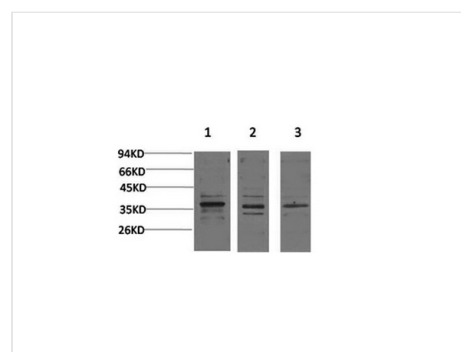
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/mL (varies by lot)
Sequence Length	323
Applicable Applications for anti-CACNG2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthetic Peptide
Buffer	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Rat brain tissue with CACNG2 Polyclonal Antibody.



WB (Western Blot)

Western Blot analysis of 1) Human brain, 2) Mouse brain, 3) Rat brain using CACNG2 Polyclonal Antibody at dilution of 1:20000.

ADDITIONAL INFORMATION

Related Product Information for anti-CACNG2 antibody	CACNG2 (Calcium Voltage-Gated Channel Auxiliary Subunit Gamma 2) is a Protein Coding gene. Diseases associated with CACNG2 include Mental Retardation, Autosomal Dominant 10 and Autosomal Dominant Non-Syndromic Intellectual Disability. Among its related pathways are PEDF Induced Signaling and DREAM Repression and Dynorphin Expression. GO annotations related to this gene include voltage-gated calcium channel activity and ionotropic glutamate receptor binding. An important paralog of this gene is CACNG3. 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. The AMPA subtype of ionotropic glutamate receptors are ligand gated ion channels that are typically activated by glutamate released from presynaptic neuron terminals and mediate fast neurotransmission in excitatory synapses. TARPs thus play an important role in synaptic plasticity, learning and memory. Mutations in this gene cause the disorder autosomal dominant mental retardation-10 (MRD10).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5174405
NCBI GeneID	10369
NCBI Accession #	NP_006069.1
NCBI GenBank Nucleotide #	NM_006078.4
UniProt Accession #	Q9Y698; Q2M1M1; Q5TGT3; Q9UGZ7
Molecular Weight	36kDa
NCBI Official Full Name	voltage-dependent calcium channel gamma-2 subunit
NCBI Official Synonym Full Names	calcium voltage-gated channel auxiliary subunit gamma 2
NCBI Official Symbol	CACNG2
NCBI Official Synonym Symbols	MRD10
NCBI Protein Information	voltage-dependent calcium channel gamma-2 subunit
UniProt Protein Name	Voltage-dependent calcium channel gamma-2 subunit
UniProt Gene Name	CACNG2
UniProt Synonym Gene Names	TARP gamma-2

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/cacng2-antibody-immunohistochemistry-western-blot-elisa/173744>