

Rabbit anti-Human, Mouse CACNG8 Polyclonal Antibody | anti-CACNG8 antibody

CACNG8 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287415	Rabbit	Human, Mouse	Immunohistochemistry, ELISA, Western Blot

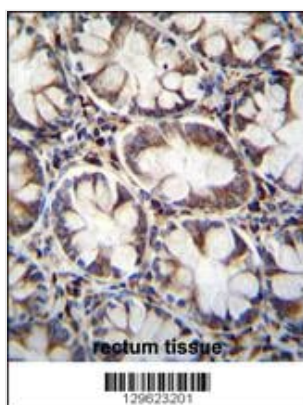
PRODUCT SYNONYMS

CACNG8; Polyclonal Antibody; CACNG8 Antibody (N-term); Voltage-dependent calcium channel gamma-8 subunit; Neuronal voltage-gated calcium channel gamma-8 subunit; Transmembrane AMPAR regulatory protein gamma-8; TARP gamma-8; CACNG6; anti-CACNG8 antibody

PRODUCT SPECIFICATIONS

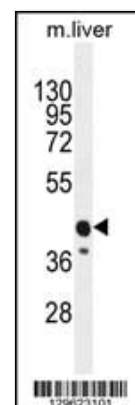
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This CACNG8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 90-119 amino acids from the N-terminal region of human CACNG8.
Purity/Purification	Peptide Affinity Purified 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.
Sequence Positions	90-119
Applicable Applications for anti-CACNG8 antibody	IHC (Immunohistochemistry-Paraffin), ELISA, WB (Western Blot)
Application Notes	WB~~1:1000; IHC-P~~1:10~50; E~~Use at an assay dependent concentration.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

CACNG8 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human rectum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of CACNG8 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

CACNG8 Antibody (N-term) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the CACNG8 antibody detected the CACNG8 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CACNG8 antibody	Function Regulates the activity of L-type calcium channels that contain CACNA1C as pore-forming subunit (By similarity). Regulates the trafficking and gating properties of AMPA-selective glutamate receptors (AMPA-Rs). 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. Does not show subunit-specific AMPA receptor regulation and regulates all AMPAR subunits. Cellular Location: Cell membrane {ECO:0000250 UniProtKB:Q8VHW2}; Multi-pass membrane protein. Postsynaptic density membrane {ECO:0000250 UniProtKB:Q8VHW2} Tissue Location: Detected in heart left ventricle.
Product Categories/Family for anti-CACNG8 antibody	Neuroscience; Signal Transduction
References	Sager, C., et al. Neuroscience 158(1):45-54(2009) Correia, S.S., et al. Nat. Neurosci. 11(4):457-466(2008) Chen, R.S., et al. Cell Biochem. Biophys. 47(2):178-186(2007) 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 #	24586686
NCBI GeneID	59283
NCBI Accession #	NP_114101.4
NCBI GenBank Nucleotide #	NM_031895.5
UniProt Accession #	Q8WXS5; Q9BXT0; Q9BY23
NCBI Official Full Name	voltage-dependent calcium channel gamma-8 subunit
NCBI Official Synonym Full Names	calcium channel, voltage-dependent, gamma subunit 8
NCBI Official Symbol	CACNG8
NCBI Protein Information	voltage-dependent calcium channel gamma-8 subunit
UniProt Protein Name	Voltage-dependent calcium channel gamma-8 subunit
UniProt Gene Name	CACNG8
UniProt Synonym Gene Names	CACNG6; TARP gamma-8
UniProt Entry Name	CCG8_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.