

Datasheet for ABIN2172192

anti-CACNA1G antibody (AA 901-1000) (PE)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	CACNA1G
Binding Specificity:	AA 901-1000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA1G antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CACNA1G/Cav31
Isotype:	IgG
Specificity:	Possible cross-reactivity with CACNA1H and CACNA1I
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	CACNA1G
Alternative Name:	CACNA1G (CACNA1G Products)

Target Details

Background: Synonyms: NBR13, Cav3.1, Ca(V)T.1, Voltage-dependent T-type calcium channel subunit alpha-1G, Cav3.1c, Voltage-gated calcium channel subunit alpha Cav3.1, CACNA1G, KIAA1123

Background: Voltage-sensitive calcium channels (VSCC) mediate the entry of calcium ions into excitable cells and are also involved in a variety of calcium-dependent processes, including muscle contraction, hormone or neurotransmitter release, gene expression, cell motility, cell division and cell death. The isoform alpha-1G gives rise to T-type calcium currents. T-type calcium channels belong to the "low-voltage activated (LVA)" group and are strongly blocked by mibefradil. A particularity of this type of channel is an opening at quite negative potentials and a voltage-dependent inactivation. T-type channels serve pacemaking functions in both central neurons and cardiac nodal cells and support calcium signaling in secretory cells and vascular smooth muscle. They may also be involved in the modulation of firing patterns of neurons which is important for information processing as well as in cell growth processes.

Gene ID: 8913

UniProt: [O43497](#)

Application Details

Application Notes: FCM 1:20-100

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months