

CACNA1G antibody

Product Information

Catalog No.:	FNab01172
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

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.

Immunogen information

Immunogen:	calcium channel, voltage-dependent, T type, alpha 1G subunit
Synonyms:	Voltage-dependent T-type calcium channel subunit alpha-1G Cav3.1c NBR13 Voltage-gated calcium channel subunit alpha Cav3.1 CACNA1G KIAA1123
Observed MW:	None
Uniprot ID :	O43497

Application

Reactivity: Human, Mouse, Rat

Tested Application: ELISA, IF

Recommended dilution: IF: 1:20-1:200