Anti-CACNA1D antibody

Cat. No.	ml261498
Package	25 μl/100 μl/200 μl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-CACNA1D rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Synthetic peptide of human CACNA1D
Reactivity	Human, Rat
Content	0.7 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	CACNA1D
Full name	calcium channel, voltage-dependent, L type, alpha 1D subunit
Synonyms	CACH3; CACN4; PASNA; SANDD; Cav1.3; CCHL1A2; CACNL1A2
Swissprot	Q01668

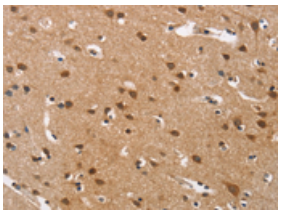
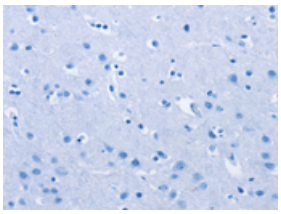
Target Background

Voltage-dependent calcium channels 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, and gene expression. Calcium channels are multisubunit complexes composed of alpha-1, beta, alpha-2/delta, and gamma subunits. The channel activity is directed by the pore-forming alpha-1 subunit, whereas the others act as auxiliary subunits regulating this activity. The distinctive properties of the calcium channel types are related primarily to the expression of a variety of alpha-1 isoforms, namely alpha-1A, B, C, D, E, and S. This gene encodes the alpha-1D subunit. Several transcript variants encoding different isoforms have been found for this gene.

Applications

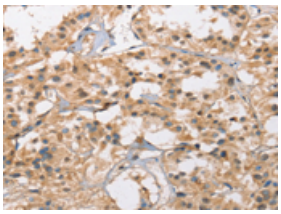
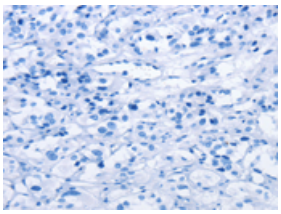
Immunohistochemistry

Predicted cell location: Cytoplasm
Positive control: Human brain
Recommended dilution: 50-200

The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using ml261498(CACNA1D Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: ×200)

Predicted cell location: Cytoplasm
Positive control: Human thyroid cancer
Recommended dilution: 50-200

The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml261498(CACNA1D Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: ×200)

ELISA

Recommended dilution: 2000-5000

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