

Product datasheet for TA328724

Cacna1c Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:200-1:2000; IHC: 1:100-1:3000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide (C)DNFDYLTRDWSILGPHHLD, corresponding to amino acid residues 1506-1524 of rat Cav1.2. Intracellular, C-terminus region.
Formulation:	Lyophilized. Concentration before lyophilization ~0.8mg/ml (lot dependent, please refer to CoA along with shipment for actual concentration). Buffer before lyophilization: phosphate buffered saline (PBS), pH 7.4, 1% BSA, 0.05% NaN3.
Reconstitution Method:	Add 50 ul double distilled water (DDW) to the lyophilized powder.
Purification:	Affinity purified on immobilized antigen.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	calcium voltage-gated channel subunit alpha1 C
Database Link:	NP_036649 Entrez Gene 775 Human Entrez Gene 12288 Mouse Entrez Gene 24239 Rat P22002

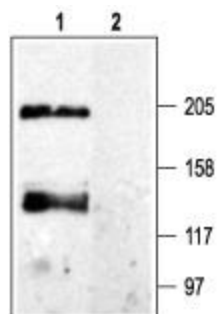
Background: Ca²⁺ ions regulate many cellular processes such as secretion, proliferation, and apoptosis and they are also cofactors of many proteins. In neurons, Ca²⁺ entry through voltage-dependent Ca²⁺ (Cav) channels triggers neurotransmitter release. Fast synaptic transmission in the mammalian central nervous system (CNS) is mediated by several high voltage-dependent Ca²⁺ channels. Five types of Ca²⁺ channels are expressed in the CNS: the L-type (Cav1), N-type (Cav2.2), P/Q-type (Cav2.1), R-type (Cav2.3), and the T-type (Cav3).⁴ Each Cav channel is a multimeric protein composed of a pore forming α 1 subunit and the auxiliary β ? (Cav β ?), α 2d and γ ? subunits. There are four known Cav β ? subunits, in addition to four α 2d subunits and eight γ ? subunits.



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Synonyms:

CACH2; CACN2; CACNL1A1; CaV1.2; CCHL1A1; MGC120730; OTTHUMP00000196730; OTTHUMP00000196731; OTTHUMP00000196732; OTTHUMP00000196733; OTTHUMP00000196734; OTTHUMP00000196735; OTTHUMP00000196736; OTTHUMP00000196737; OTTHUMP00000196739; OTTHUMP00000196744; OTTHUMP00000196746; OTTHUMP00000196747; OTTHUMP00000196748; OTTHUMP00000196749; OTTHUMP00000196751; TS

Product images:

Western blot analysis of rat brain membranes: 1. Anti-Cavpan a1 antibody, (1:200). 2. Anti-Cavpan a1 antibody, preincubated with the control peptide antigen.