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Product datasheet for TA328765

Cacng3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:200-1:2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide (C)RSHSELLKKSTFAR, corresponding to amino acid residues 210-223 of rat CaV?3. Intracellular, C-terminus.
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 auxiliary subunit gamma 3
Database Link:	NP_542422 Entrez Gene 10368 HumanEntrez Gene 54376 MouseEntrez Gene 140724 Rat Q8VHX0

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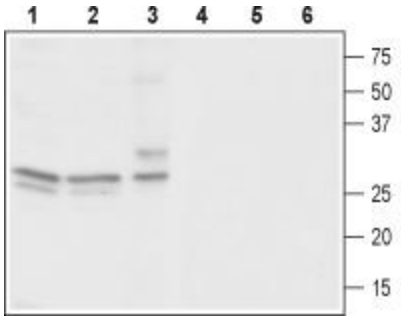
Background: Voltage-gated Ca2+ (CaV) channels are ubiquitously expressed and function as Ca2+ conducting pores in the plasma membrane1. Based on their electrophysiological and pharmacological properties, Ca2+ channels have traditionally been classified into L, T, N, P/Q, and R types.L-type calcium channels are heteromultimers composed of four independently encoded proteins, the pore-forming a1 subunit, which triggers Ca2+ flow across the membrane, and the subunits a2d, ?, and Ã?.The ? subunit is an integral membrane protein. The ? family consists of at least 8 members, which share a number of common structural features. Each member is predicted to possess four transmembrane domains, with intracellular N- and C-termini. The first extracellular loop contains a highly conserved N-glycosylation site and a pair of conserved cysteine residues5. CaV? subunits inhibit CaV channel activity and modulate its activation and inactivation kinetics. CaV? subunits have little effect on CaV channel trafficking. CaV?3 mRNAs are only detectable in mouse brain.

Synonyms: Cacng2

Product images:



Western blot analysis of rat brain (lanes 1 and 4), mouse brain (lanes 2 and 5) and human neuroblastoma (SH-SY5Y) cells (lanes 3 and 6): 1-3. Anti-CaV?3 antibody, (1:1000). 4-6. Anti-CaV?3 antibody, preincubated with the control peptide antigen.