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Product datasheet for TA328766

Cacng4 Rabbit Polyclonal Antibody

Product data:

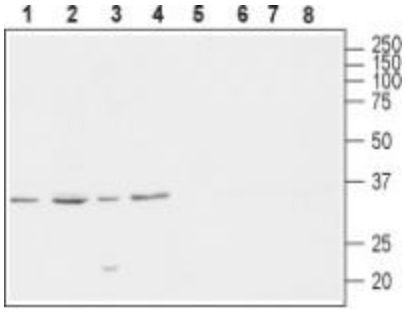
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:200-1:2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide (C)EKNKELRFKTKRE, corresponding to amino acid residues 208-220 of rat Cav?4. Intracellular, C-terminus.
Formulation:	Lyophilized. 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 4
Database Link:	NP_542423 Entrez Gene 27092 HumanEntrez Gene 54377 MouseEntrez Gene 140725 Rat Q8VHW9

View online »

Background: Voltage dependent Ca2+ channels (CaV channels) are pivotal players in many physiological roles such as secretion, contraction migration and excitation.They are composed of several subunits; a1, Ã?, a2d and ?. CaV channels were originally divided into six physiological types: L, N, P, Q, R, and T type.L-type calcium channels are composed of five subunits. Cav?4, represents one of these subunits, and is one of several ? subunit proteins. It is an integral membrane protein that is thought to stabilize the Ca2+ channel in an inactive (closed) state. The encoding gene is a member of the neuronal Ca2+ channel ? subunit gene subfamily of the PMP-22/EMP/MP20 family and is located in a cluster with two similar gamma subunit-encoding genes.Cav?4, along with Cav?2, Cav?3 and Cav?8 have been associated with AMPA receptors and have been shown to modulate the trafficking of receptors to the plasma membrane as well as electrophysiological key properties.

Synonyms: MGC11138; MGC24983

Product images:



Western blot analysis of rat brain (lanes 1 and 5), mouse brain (lanes 2 and 6), SH-SY5Y (lanes 3 and 7) and PC-12 (lanes 4 and 8) lysates: 1-4. Anti-Cav?4 antibody. 5-8. Anti-Cav?4 antibody, preincubated with the control peptide antigen.