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Product datasheet for TA367923

CACNB4 Rabbit Polyclonal Antibody

Product data:

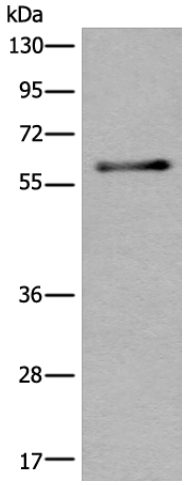
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 200-1000 WB positive control: Mouse brain tissue lysate
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human CACNB4
Formulation:	pH7.4 PBS, 0.05% NaN3, 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	58 kDa
Gene Name:	calcium voltage-gated channel auxiliary subunit beta 4
Database Link:	Entrez Gene 785 Human O00305

View online »

Background: This gene encodes a member of the beta subunit family of voltage-dependent calcium channel complex proteins. Calcium channels mediate the influx of calcium ions into the cell upon membrane polarization and consist of a complex of alpha-1, alpha-2/delta, beta, and gamma subunits in a 1:1:1:1 ratio. Various versions of each of these subunits exist, either expressed from similar genes or the result of alternative splicing. The protein encoded by this locus plays an important role in calcium channel function by modulating G protein inhibition, increasing peak calcium current, controlling the alpha-1 subunit membrane targeting and shifting the voltage dependence of activation and inactivation. Certain mutations in this gene have been associated with idiopathic generalized epilepsy (IGE) and juvenile myoclonic epilepsy (JME). Multiple transcript variants encoding different isoforms have been found for this gene.

Synonyms: CAB4; CACNLB4; EA5; EIG9; EJM; EJM4; EJM6; OTTHUMP00000207247; OTTHUMP00000207249

Product images:



Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane: Mouse brain tissue lysate
Primary antibody: TA367923 (CACNB4 Antibody) at dilution 1/350
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 1 minute