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Product datasheet for TA328774

Gjb1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:200-1:2000
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide (C)EINKLLSEQDGSLK, corresponding to amino acid residues 247-260 of rat Connexin-32. 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:	gap junction protein, beta 1
Database Link:	NP_058947 Entrez Gene 29584 Rat P08033

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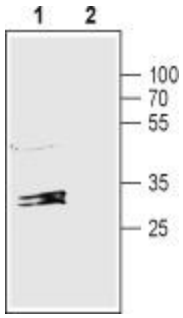
Background: Connexins (Cx) are integral membrane proteins consisting of four transmembrane domains, two extracellular loops, one intracellular loop and intracellular N- and C-termini. The 21 members belonging to this family form homomeric or heteromeric hexamers generally termed connexons or hemi-channels. In turn, these hemi-channels further assemble in a head-to-head manner, thus forming gap junction channels. Connexins are ubiquitously expressed and their activity is regulated at the expression level and by post-translational modifications. Gap junctions are usually found in clusters and enable intercellular communication by allowing the passage of small molecules between cells. They play important roles in different biological processes. These include differentiation, cell cycle synchronization, cellular development, neuronal activity and the immune response. Due to their important roles, mutations in connexins are linked with a number of diseases such as neurodegenerative disorders, skin diseases and developmental abnormalities. A mutation in the gene encoding Connexin-32 is associated with and is the cause for Charcotâ??Marieâ?? Tooth disease (CMT), a form of demyelinating disease characterized by muscular weakness, affecting more males than females.

Synonyms: CMTX; CMTX1; Connexin-32; CX32; OTTHUMP00000023504

Product images:



Western blot analysis of rat liver lysate: 1. Anti-Connexin-32 antibody, (1:200). 2. Anti-Connexin-32 antibody, preincubated with the control peptide antigen.