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Connexin 36 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP1549a

Specification

Connexin 36 Antibody (N-term) Blocking peptide - Product Information

Primary Accession Q9UKL4

Connexin 36 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 57369

Other Names
Gap junction delta-2 protein, Connexin-36, Cx36, Gap junction alpha-9 protein, GJD2, GJA9

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP1549a was selected from the N-term region of human GJA9. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Connexin 36 Antibody (N-term) Blocking peptide - Protein Information

Name GJD2

Synonyms GJA9

Function
One gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexons, through which materials of low MW diffuse from one cell to a neighboring cell.

Cellular Location
Cell membrane; Multi-pass membrane protein. Cell junction, gap junction

Tissue Location
Highly expressed in neurons.

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Connexin 36 Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

Connexin 36 Antibody (N-term) Blocking peptide - Images

Connexin 36 Antibody (N-term) Blocking peptide - Background

GJA9, also called connexin-36 (CX36), is a member of the connexin gene family that is expressed predominantly in mammalian neurons. Connexins associate in groups of 6 and are organized radially around a central pore to form connexons. Each gap junction intercellular channel is formed by the conjunction of 2 connexons.

Connexin 36 Antibody (N-term) Blocking peptide - References

de Brouwer, A.P., et al., Hum. Genet. 112(2):156-163 (2003).Belluardo, N., et al., J. Neurosci. Res. 57(5):740-752 (1999).