

Connexin 36 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP1549a**Specification**

Connexin 36 Antibody (N-term) Blocking peptide - Product InformationPrimary 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](/product/products/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.

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).