

**GJC2 Antibody (N-term)(Ascites)**  
**Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM1998a**

**Specification**

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**GJC2 Antibody (N-term)(Ascites) - Product Information**

|                   |   |
|-------------------|---|
| Application       | WB,E  |
| Primary Accession | <a href="#">Q5T442</a>  |
| Other Accession   | <a href="#">Q80XF7</a> , <a href="#">Q8BOU6</a> , <a href="#">Q29RK8</a> , <a href="#">Q7ZXS7</a> , <a href="#">A4GG66</a> ,<br><a href="#">A4GVD1</a> , <a href="#">P28229</a> , <a href="#">P36383</a> , <a href="#">Q92052</a> , <a href="#">O6R4A8</a> ,<br><a href="#">P18861</a> , <a href="#">Q2HJ66</a> , <a href="#">NP_065168.2</a> |
| Reactivity        | Human   |
| Predicted         | Bovine, Chicken, Hamster, Zebrafish,<br>Mouse, Pig, Rat, Xenopus  |
| Host              | Mouse   |
| Clonality         | Monoclonal  |
| Isotype           | IgM   |
| Calculated MW     | 47002   |
| Antigen Region    | 53-78   |

**GJC2 Antibody (N-term)(Ascites) - Additional Information**

**Gene ID** 57165

**Other Names**

Gap junction gamma-2 protein, Connexin-466, Cx466, Connexin-47, Cx47, Gap junction alpha-12 protein, GJC2, GJA12

**Target/Specificity**

This GJC2 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 53-78 amino acids from the N-terminal region of human GJC2.

**Dilution**

WB~~1:100~8000

**Format**

Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

GJC2 Antibody (N-term)(Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

**GJC2 Antibody (N-term)(Ascites) - Protein Information**

**Name** GJC2

**Synonyms** GJA12

**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. May play a role in myelination in central and peripheral nervous systems.

**Cellular Location**

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

**Tissue Location**

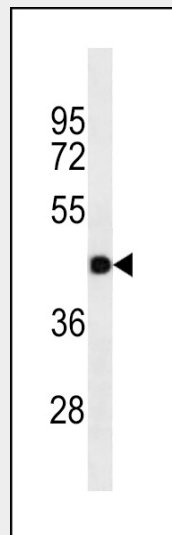
Expressed in central nervous system, in sciatic nerve and sural nerve. Also detected in skeletal muscles

**GJC2 Antibody (N-term)(Ascites) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**GJC2 Antibody (N-term)(Ascites) - Images**



GJC2 Antibody (N-term) (Cat. #AM1998a) western blot analysis in A549 cell line lysates (35µg/lane). This demonstrates the GJC2 antibody detected the GJC2 protein (arrow).

**GJC2 Antibody (N-term)(Ascites) - Background**

GJC2 is a gap junction protein. Gap junction proteins are members of a large family of homologous connexins and

comprise 4 transmembrane, 2 extracellular, and 3 cytoplasmic domains. This gene plays a key role in central myelination and is involved in peripheral myelination in humans. Defects in this gene are the cause of autosomal recessive Pelizaeus-Merzbacher-like disease-1.

#### **GJC2 Antibody (N-term)(Ascites) - References**

Ferrell, R.E., et al. Am. J. Hum. Genet. 86(6):943-948(2010)

Wang, J., et al. Brain Dev. 32(3):236-243(2010)

Ishikawa, T., et al. Rinsho Shinkeigaku 50(1):7-11(2010)

Ruf, N., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 150B (2), 226-232 (2009) :

Orthmann-Murphy, J.L., et al. Brain 132 (PT 2), 426-438 (2009) :