

**Anti-GJC2 Picoband Antibody**  
Catalog # ABO12392**Specification**

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**Anti-GJC2 Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q5T442</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Gap junction gamma-2 protein(GJC2) detection. Tested with WB in Human;Mouse;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-GJC2 Picoband Antibody - Additional Information**

**Gene ID** 57165

**Other Names**

Gap junction gamma-2 protein, Connexin-46.6, Cx46.6, Connexin-47, Cx47, Gap junction alpha-12 protein, GJC2, GJA12

**Calculated MW**

47002 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat<br>

**Subcellular Localization**

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

**Tissue Specificity**

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

**Protein Name**

Gap junction gamma-2 protein

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence at the C-terminus of human GJC2 (336-368aa VVRAAERARAHDQNLANLALQALRDGAAAGDRD), different from the related mouse and rat sequences by five amino acids.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

**Storage**

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

**Anti-GJC2 Picoband Antibody - 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

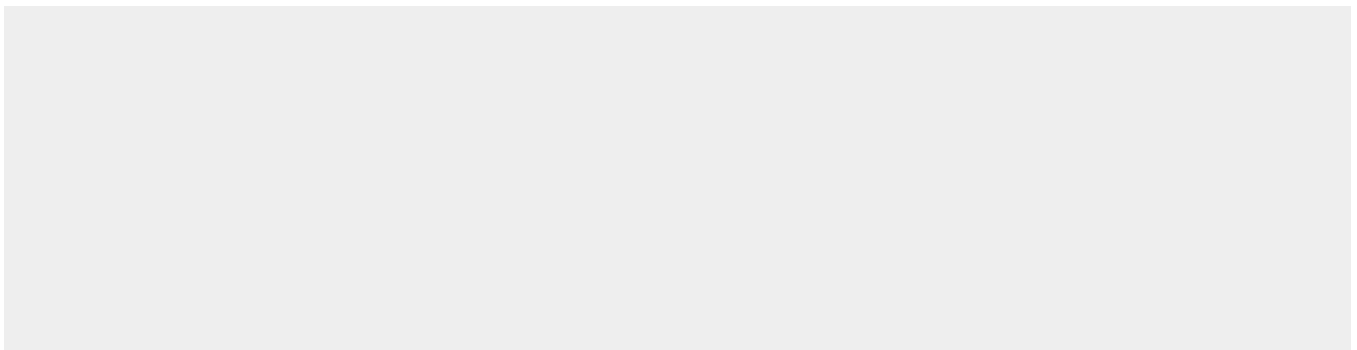
**Tissue Location**

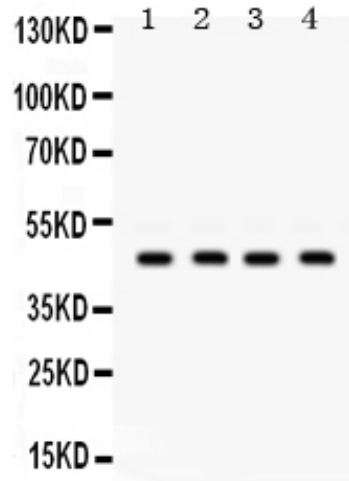
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**Anti-GJC2 Picoband Antibody - Protocols**

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](#)

**Anti-GJC2 Picoband Antibody - Images**



Anti- GJC2 Picoband antibody, ABO12392, Western blotting All lanes: Anti GJC2 (ABO12392) at 0.5ug/ml Lane 1: Rat Brain Tissue Lysate at 50ug Lane 2: Mouse Brain Tissue Lysate at 50ug Lane 3: U2OS Whole Cell Lysate at 40ug Lane 4: HELA Whole Cell Lysate at 40ug Predicted bind size: 47KD Observed bind size: 47KD

#### Anti-GJC2 Picoband Antibody - Background

Gap junction gamma-2 (GJC2), also known as connexin-46.6 (Cx46.6) and connexin-47 (Cx47) and gap junction alpha-12 (GJA12), is a protein that in humans is encoded by the GJC2 gene. It is mapped to 1q42.13. This gene encodes 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.