

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

Anti-GJC2 Picoband Antibody - Product Information

Application	WB
Primary Accession	Q5T442
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

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 Na₂HPO₄, 0.05mg Na₃.

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

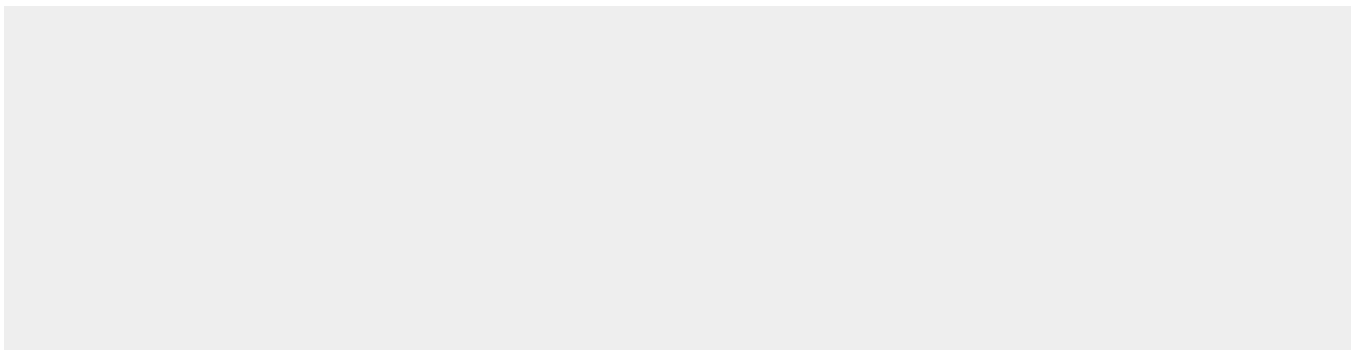
Tissue Location

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

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 blottingAll lanes: Anti GJC2 (ABO12392) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Mouse Brain Tissue Lysate at 50ugLane 3: U20S Whole Cell Lysate at 40ugLane 4: HELA Whole Cell Lysate at 40ugPredicted bind size: 47KDObserved 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.