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Anti-GJC2 Picoband Antibody

Catalog # ABO12392

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.

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
Application Details	Western blot, 0.1-0.5 □g/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. .
Source	Eukaryota
Protein Name	Gap junction gamma-2 protein
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
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 r˚Constitution, 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.

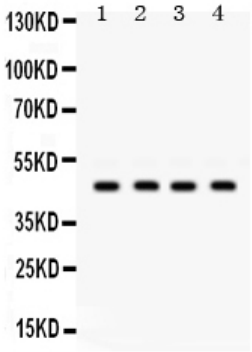
Protein Information

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

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.

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