

ARG59407 anti-GJC2 / Connexin 47 antibody

Package: 100 µl
Store at: -20°C

Summary

| | |
|---------------------|---|
| Product Description | Rabbit Polyclonal antibody recognizes GJC2 / Connexin 47 |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | GJC2 / Connexin 47 |
| Species | Human |
| Immunogen | Synthetic peptide of Human GJC2. |
| Conjugation | Un-conjugated |
| Alternate Names | CX46.6; Cx47; Gap junction alpha-12 protein; PMLDAR; SPG44; Gap junction gamma-2 protein; GJA12; Connexin-46.6; LMPH1C; Connexin-47; HLD2; Cx46.6 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|----------------|
| | WB | 1:500 - 1:2000 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |
| Positive Control | Mouse brain | |
| Observed Size | 47 kDa | |

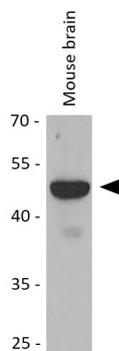
Properties

| | |
|---------------------|---|
| Form | Liquid |
| Purification | Affinity purified. |
| Buffer | PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 50% Glycerol |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

| | |
|-----------------------|--|
| Gene Symbol | GJC2 |
| Gene Full Name | gap junction protein, gamma 2, 47kDa |
| Background | 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. Defects in this gene are the cause of autosomal recessive Pelizaeus-Merzbacher-like disease-1. [provided by RefSeq, Jul 2008] |
| 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. [UniProt] |
| Calculated Mw | 47 kDa |
| Cellular Localization | Cell membrane; Multi-pass membrane protein. Cell junction, gap junction. [UniProt] |

Images



ARG59407 anti-GJC2 / Connexin 47 antibody WB image

Western blot: 25 µg of Mouse brain lysate stained with ARG59407 anti-GJC2 / Connexin 47 antibody at 1:500 dilution.