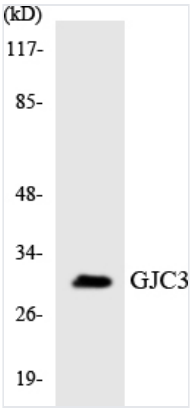
# GJC3 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | GJC3, Polyclonal Antibody |
| **Full Product Name** | GJC3 Antibody |
| **Product Gene Name** | anti-GJC3 antibody |
| **Product Synonym Names** | Gap junction gamma-3 protein; Gap junction epsilon-1 protein; Connexin-31.3; Cx31.3; Connexin-30.2; Cx30.2; GJC3; GJE1 |
| **Clonality** | Polyclonal |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| **Purity/Purification** | Purified from rabbit antiserum by affinity-chromatography using immunogen. |
| **Concentration** | 1 mg/ml (lot specific) |
| **Specificity** | GJC3 Antibody detects endogenous levels of GJC3. |
| **Preparation and Storage** | Stable at -20 degree C for at least 1 year. |
| **Molecular Weight** | 31 kDa |
| **OMIM** | AF503615 mRNA |
| **3D Structure** | ModBase 3D Structure for Q8NFK1 |
| **Target Modification** | Unmodified/Total |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human GJC3. |
| **Immunogen Range** | 142-191 |
| **Applications Tested/Suitable for anti-GJC3 antibody** | Western Blot (WB), ELISA (EIA) |
| **Application Notes for anti-GJC3 antibody** | WB: 1:500~1:1000<br>ELISA: 1:10000 |
| **Related Product Information for anti-GJC3 antibody** | MBS9509505 is an antibody targeting GJC3. Also known as GJC3 Antibody. Reactive in Human. Host: Rabbit. |
| **Other Notes** | Small volumes of anti-GJC3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |




**Western Blot (WB) of anti-GJC3 antibody**
Western blot analysis of the lysates from K562 cells using GJC3 antibody.

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GJC3. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 31559821 |
| **NCBI GeneID** | 349149 |
| **NCBI Accession #** | NP_853516.1 |
| **UniProt Primary Accession #** | Q8NFK1 |
| **UniProt Secondary Accession #** | Q86XI9; A4D296 |
| **UniProt Related Accession #** | Q8NFK1 |
| **GenBank Nucleotide #** | NM_181538.2 |
| **NCBI Official Full Name** | gap junction gamma-3 protein |
| **NCBI Official Synonym Full Names** | gap junction protein gamma 3 |
| **NCBI Official Symbol** | GJC3 |
| **NCBI Official Synonym Symbols** | CX29; GJE1; CX30.2; CX31.3 |
| **UniProt Protein Name** | Gap junction gamma-3 protein |
| **UniProt Synonym Protein Names** | Connexin-30.2; Cx30.2; Connexin-31.3; Cx31.3; Gap junction epsilon-1 protein |
| **Protein Family** | Gap junction gamma-3 protein |
| **UniProt Gene Name** | GJC3 |
| **UniProt Synonym Gene Names** | GJE1; Cx30.2; Cx31.3 |
| **NCBI Protein Information** | gap junction gamma-3 protein |
| **NCBI Summary for GJC3** | This gene encodes a gap junction protein. The encoded protein, also known as a connexin, plays a role in formation of gap junctions, which provide direct connections between neighboring cells. Mutations in this gene have been reported to be associated with nonsyndromic hearing loss.[provided by RefSeq, Feb 2010] |
| **UniProt Comments for GJC3** | 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. |
| **Research Articles on GJC3** | **1.** Based on these findings, we suggest that p.W77S mutant has a dominant negative effect on the formation and function of the gap junction. These results give a novel molecular elucidation for the mutation of GJC3 in the development of hearing loss. |

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