

## Rabbit anti-Human GJA3 Polyclonal Antibody | anti-GJA3 antibody

GJA3 Antibody (N-term)

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                              |
|-----------|--------|------------|-------------------------------------------|
| AAA286106 | Rabbit | Human      | Immunohistochemistry, ELISA, Western Blot |

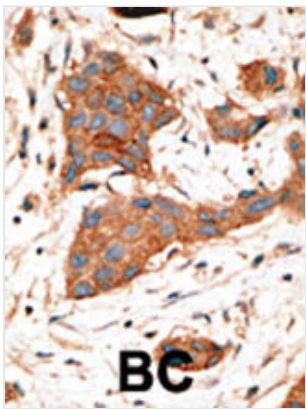
### PRODUCT SYNONYMS

GJA3; Polyclonal Antibody; GJA3 Antibody (N-term); Gap junction alpha-3 protein; Connexin-46; Cx46; anti-GJA3 antibody

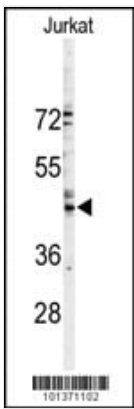
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                           |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                    |
| Reactivity                                     | Human                                                                                                                                                                                     |
| Clonality                                      | Polyclonal                                                                                                                                                                                |
| Isotype                                        | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                    | This GJA3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 108-139 amino acids from the N-terminal region of human GJA3.                      |
| Purity/Purification                            | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                 |
| Form/Format                                    | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Concentration                                  | Vial Concentration: 1.79 (varies by lot)                                                                                                                                                  |
| Sequence Positions                             | 108-139                                                                                                                                                                                   |
| Sequence Length                                | 435                                                                                                                                                                                       |
| Applicable Applications for anti-GJA3 antibody | IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                                                      |
| Antigen Type                                   | Synthetic Peptide                                                                                                                                                                         |
| Antigen Source                                 | HUMAN                                                                                                                                                                                     |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                    |

IMAGES



**IHC (Immunohistochemistry)**  
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma;



**WB (Western Blot)**  
Western blot analysis of GJA3 Antibody (N-term) in Jurkat cell line lysates (35ug/lane). GJA3 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GJA3 antibody | GJA3, an integral membrane protein, belong to the connexin family, alpha-type (group II) subfamily. 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. A connexon is composed of a hexamer of connexins. This particular connexin is a component of lens fiber gap junctions, can form both junctional and nonjunctional ('hemi-') channels. Defects in GJA3 are the cause of zonular pulverulent cataract type 3 (CZP3), a form of autosomal dominant congenital cataract. |
| Product Categories/Family for anti-GJA3 antibody   | Neuroscience; <a href="#">Signal Transduction</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| References                                         | Mackay, D., et al., Am. J. Hum. Genet. 64(5):1357-1364 (1999).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                          |
|----------------------------------|--------------------------------------------------------------------------|
| NCBI GI #                        | 22779877                                                                 |
| NCBI GeneID                      | 2700                                                                     |
| NCBI Accession #                 | <a href="#">NP_068773.2</a>                                              |
| NCBI GenBank Nucleotide #        | <a href="#">NM_021954.3</a>                                              |
| UniProt Accession #              | <a href="#">Q9Y6H8</a> ; <a href="#">Q0VAB7</a> ; <a href="#">Q9H537</a> |
| Molecular Weight                 | 47410                                                                    |
| NCBI Official Full Name          | gap junction alpha-3 protein                                             |
| NCBI Official Synonym Full Names | gap junction protein, alpha 3, 46kDa                                     |
| NCBI Official Symbol             | GJA3                                                                     |
| NCBI Official Synonym Symbols    | CX46; CZP3; CTRCT14                                                      |
| NCBI Protein Information         | gap junction alpha-3 protein                                             |
| UniProt Protein Name             | Gap junction alpha-3 protein                                             |
| UniProt Gene Name                | <b>GJA3</b>                                                              |
| UniProt Synonym Gene Names       | Cx46                                                                     |
| UniProt Entry Name               | CXA3_HUMAN                                                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/gja3-antibody-immunohistochemistry-western-blot-elisa/286106>