

## Rabbit GJA4 Polyclonal Antibody | anti-GJA4 antibody

GJA4 antibody - middle region

|                              |                       |                                                                                    |                                                           |
|------------------------------|-----------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA23457</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|------------------------------|-----------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------|

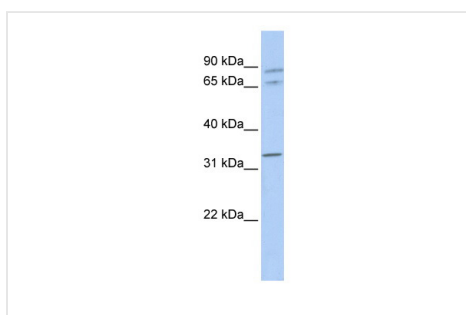
### PRODUCT SYNONYMS

GJA4; Polyclonal Antibody; GJA4 antibody - middle region; anti-GJA4 antibody

### PRODUCT SPECIFICATIONS

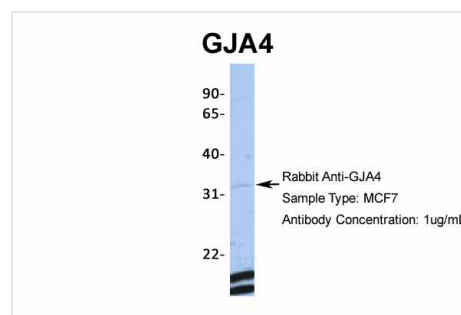
|                                                |                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                |
| Reactivity                                     | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep                                                                                         |
| Clonality                                      | Polyclonal                                                                                                                                            |
| Purity/Purification                            | Affinity Purified                                                                                                                                     |
| Form/Format                                    | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                       | Synthetic peptide with the following region: QK EGE LRALPAK DPQVERALAA VERQMAKISV AEDGRLRIRG ALMGTYVA                                                 |
| Sequence Length                                | 333                                                                                                                                                   |
| Applicable Applications for anti-GJA4 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                         |
| Homology                                       | Cow: 93%; Dog: 93%; Guinea Pig: 86%; Horse: 79%; Human: 100%; Mouse: 79%; Rabbit: 100%; Rat: 86%; Sheep: 93%                                          |
| Immunogen                                      | The immunogen is a synthetic peptide directed towards the middle region of human GJA4                                                                 |
| Preparation and Storage                        | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



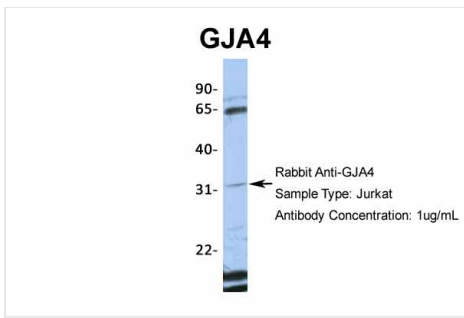
#### WB (Western Blot)

WB Suggested Anti-GJA4 Antibody Titration: 0.2-1 ug/mL  
 ELISA Titer: 1:1562500  
 Positive Control: 721\_B cell lysate  
 GJA4 is strongly supported by BioGPS gene expression data to be expressed in Human 721\_B cells



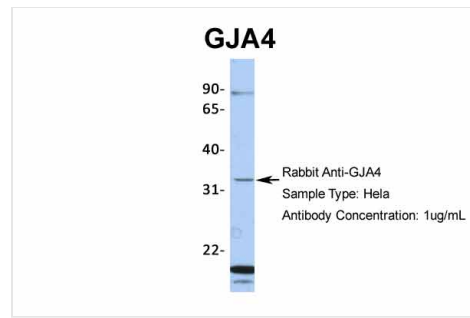
#### WB (Western Blot)

Host: Rabbit  
 Target Name: GJA4  
 Sample Type: MCF7  
 Antibody Dilution: 1.0ug/ml



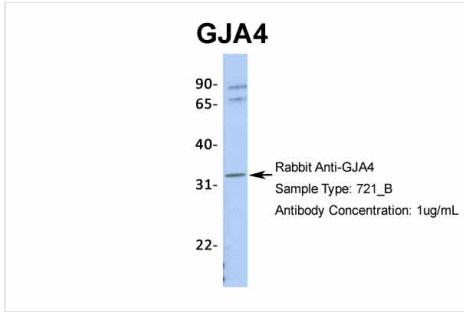
**WB (Western Blot)**

Host: RabbitTarget Name: GJA4Sample Type: JurkatAntibody Dilution: 1.0ug/ml



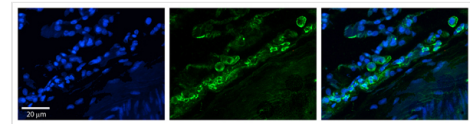
**WB (Western Blot)**

Host: RabbitTarget Name: GJA4Sample Type: HeLaAntibody Dilution: 1.0ug/ml



**WB (Western Blot)**

Host: RabbitTarget Name: GJA4Sample Type: 721\_BAntibody Dilution: 1.0ug/ml



**IHC (Immunohistochemistry)**

Rabbit Anti-GJA4 AntibodyFormalin Fixed Paraffin Embedded Tissue: Human Lung  
TissueObserved Staining: Membrane in alveolar type I cells and macrophagesPrimary  
Antibody Concentration: 1:100Other Working Concentrations: 1/600Secondary Antibody:  
Donkey anti-Rabbit-Cy3Secondary Antibody Concentration: 1:200Magnification:  
20XExposure Time: 0.5 - 2.0 sec

## ADDITIONAL INFORMATION

|                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Related Product Information for anti-GJA4 antibody</b></p> | <p>This is a rabbit polyclonal antibody against GJA4. It was validated on Western Blot using a cell lysate as a positive control.</p> <p>Target Description: GJA4 is a member of the connexin family. The protein is a component of gap junctions, which are composed of arrays of intercellular channels that provide a route for the diffusion of low molecular weight materials from cell to cell. Mutations in this gene have been associated with atherosclerosis and a higher risk of myocardial infarction. This gene encodes a member of the connexin gene family. The encoded protein is a component of gap junctions, which are composed of arrays of intercellular channels that provide a route for the diffusion of low molecular weight materials from cell to cell. Mutations in this gene have been associated with atherosclerosis and a higher risk of myocardial infarction. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> |
| <p><b>Product Categories/Family for anti-GJA4 antibody</b></p>   | <p>Polyclonal; Membrane Protein; Disease Related</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## NCBI AND UNIPROT INFORMATION

|                                  |                              |
|----------------------------------|------------------------------|
| NCBI GI #                        | 62865885                     |
| NCBI GeneID                      | 2701                         |
| NCBI Accession #                 | NP_002051                    |
| NCBI GenBank Nucleotide #        | NM_002060                    |
| UniProt Accession #              | P35212                       |
| Molecular Weight                 | 37kDa                        |
| NCBI Official Full Name          | gap junction alpha-4 protein |
| NCBI Official Synonym Full Names | gap junction protein alpha 4 |
| NCBI Official Symbol             | GJA4                         |

|                               |                              |
|-------------------------------|------------------------------|
| NCBI Official Synonym Symbols | CX37                         |
| NCBI Protein Information      | gap junction alpha-4 protein |
| UniProt Protein Name          | Gap junction alpha-4 protein |
| UniProt Gene Name             | <b>GJA4</b>                  |
| UniProt Synonym Gene Names    | Cx37                         |
| UniProt Entry Name            | CXA4_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/gja4-antibody-immunohistochemistry-western-blot-elisa/23457>