

## Connexin 43 Antibody | anti-GJA1 antibody

Connexin 43 (phospho-Ser367) Antibody

|                               |                                        |                                                           |
|-------------------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA111248</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|----------------------------------------|-----------------------------------------------------------|

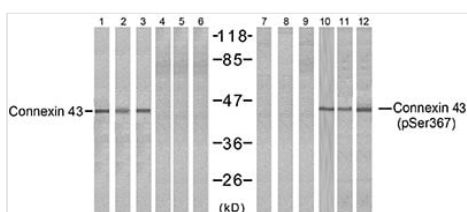
### PRODUCT SYNONYMS

Connexin 43; Connexin 43 (phospho-Ser367) Antibody; anti-GJA1 antibody

### PRODUCT SPECIFICATIONS

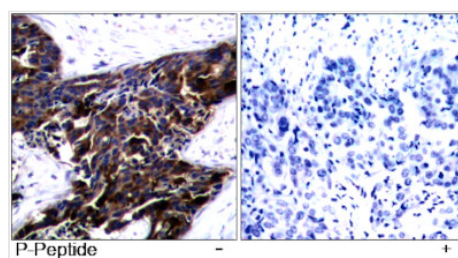
|                                                |                                                                                                                                                                                                                                                     |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                                                                                                                   |
| Specificity                                    | Connexin43 (phospho-Ser367) antibody detects endogenous levels of Connexin43 only when phosphorylated at serine 367.                                                                                                                                |
| Purity/Purification                            | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                    | In phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                             |
| Sequence Length                                | 382                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-GJA1 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                       |
| Immunogen                                      | The antiserum was produced against synthesized phosphopeptide derived from human Connexin43 around the phosphorylation site of serine 367 (R-A-SP-S-R).                                                                                             |
| Preparation and Storage                        | Store at -20°C for 1 year                                                                                                                                                                                                                           |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts from HeLa (Line 1, 4, 7 and 10), K562 (Line 2, 5, 8 and 11) and 293 (Line 3, 6, 9 and 12) cells, untreated or treated with PMA (1 $\mu$ M 30min), using Connexin43 (Ab-367) antibody and Connexin43 (phospho-Ser367) antibody (AAA111248, Lane 7, 8, 9, 10, 11 and 12).



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Connexin43 (phospho-Ser367) antibody (AAA111248).

### ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                          |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-GJA1 antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells                                                                        |
| References                                       | Joell L. Solan <sup>1</sup> , et al. (2003) Cell Science 116: 2203-2211 Satoshi Matsushita, et al. (2006) Histochemistry and Cytochemistry 54 (3): 343-353, Xiaoyong Bao, et al. (2004) Cell Physiol 286: C647-C654 W. E. I. Li, et al.(1998) European Journal of Neuroscience 10: 2444. |

NCBI AND UNIPROT INFORMATION

|                                  |                                                               |
|----------------------------------|---------------------------------------------------------------|
| NCBI GI #                        | 4504001                                                       |
| NCBI GeneID                      | 2697                                                          |
| NCBI Accession #                 | NP_000156.1                                                   |
| NCBI GenBank Nucleotide #        | NM_000165.4                                                   |
| UniProt Accession #              | P17302; Q6FHU1; Q9Y5I8; B2R5U9                                |
| NCBI Official Full Name          | gap junction alpha-1 protein                                  |
| NCBI Official Synonym Full Names | gap junction protein alpha 1                                  |
| NCBI Official Symbol             | GJA1                                                          |
| NCBI Official Synonym Symbols    | HSS; CMDR; CX43; EKVP; GJAL; ODDD; AVSD3; EKVP3; HLHS1; PPKCA |
| NCBI Protein Information         | gap junction alpha-1 protein                                  |
| UniProt Protein Name             | Gap junction alpha-1 protein                                  |
| UniProt Gene Name                | <b>GJA1</b>                                                   |
| UniProt Synonym Gene Names       | GJAL; Cx43                                                    |

**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://stage.aaabiotech.com/human-mouse-rat-antibody/connexin-43/111248>