

Rabbit polyclonal antibody to Connexin-43 (366-382): Affinity purified

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| Catalogue No.: | R-1607-100 |
| Description: | A gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexins, through which materials of low molecular weight diffuse from one cell to a neighbouring cell. Each connexin is composed of a hexamer of connexin proteins. Connexins are a multi-gene family of highly related proteins. At least a dozen distinct connexin genes have been identified and many are expressed in a tissue-specific manner. Two distinct lineages, class I (beta) and class II (alpha), have been identified in mammals. Connexin-43, also known as Gap junction alpha-1 (GJA1), belongs to the class II (alpha) group of connexins and is expressed in the heart and foetal cochlea. |
| Batch No.: | See product label |
| Unit size: | 100 ug |
| Antigen: | A synthetic peptide corresponding to the amino acids 366-382 from the C-terminus of human Connexin-43. |
| Other Names: | Cx43; gap junction alpha-1 protein; GJA1; GJAL; Gap junction 43 kDa heart protein; |
| Accession: | P17302 CXA1_HUMAN; P23242 CXA1_MOUSE; P08050 CXA1_RAT |
| Produced in: | Rabbit |
| Purity: | Affinity purified on antigen column |
| Applications: | Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.1-0.5 ug/mL is recommended for WB. The predicted length of human Connexin-43 is 382 residues and MW of 43 kDa. A concentration of 0.5-1.0 ug/mL is recommended to detect Connexin-43 in formalin fixed and paraffin embedded tissues. Heat mediated antigen retrieval is required. Biosensis recommends optimal dilutions/concentrations should be determined by the end user. |
| Cross-reactivity: | Human; mouse; rat; |
| Form: | Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ |
| Reconstitution: | Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material. |
| Storage: | After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles. |
| Expiry Date: | 12 months after purchase |

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