



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

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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