GJC1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GJC1, Polyclonal Antibody
Full Product Name	GJC1 Rabbit pAb
Product Gene Name	anti-GJC1 antibody
Product Synonym Names	CX45; GJA7
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	45kDa
OMIM	608655
3D Structure	ModBase 3D Structure for P36383
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 247-396 of human GJC1 (NP_005488.2).
Cellular Localization	Cell Junction, Cell Membrane, Gap Junction, Membrane
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GJC1 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-GJC1 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-GJC1 antibody	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.
Other Notes	Small volumes of anti-GJC1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GJC1 purchase	MBS8546543 is an antibody targeting GJC1. Also known as GJC1 Rabbit pAb. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GJC1. It may not necessarily be applicable to this product.

NCBI GI #	122939172
NCBI GeneID	10052
NCBI Accession #	NP_001073852.1

UniProt Primary Accession #	P36383
UniProt Related Accession #	P36383
GenBank Nucleotide #	NP_001073852.1
NCBI Official Full Name	gap junction gamma-1 protein
NCBI Official Synonym Full Names	gap junction protein gamma 1
NCBI Official Symbol	GJC1
NCBI Official Synonym Symbols	CX45; GJA7
UniProt Protein Name	Gap junction gamma-1 protein
UniProt Synonym Protein Names	Connexin-45; Cx45; Gap junction alpha-7 protein
Protein Family	Gap junction gamma-1 protein
UniProt Gene Name	GJC1
UniProt Synonym Gene Names	GJA7; Cx45
UniProt Entry Name	CXG1_HUMAN
NCBI Protein Information	gap junction gamma-1 protein
NCBI Summary for GJC1	This gene is 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. Alternatively spliced transcript variants encoding the same isoform have been described. [provided by RefSeq, Jul 2008]
UniProt Comments for GJC1	GJC1: 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. Belongs to the connexin family. Gamma-type subfamily. Protein type: Membrane protein, integral; Membrane protein, multi-pass; Cell adhesion Chromosomal Location of Human Ortholog: 17q21.31 Cellular Component: connexon complex; endoplasmic reticulum membrane; plasma membrane; gap junction; integral to membrane Molecular Function: ion channel activity; gap junction channel activity Biological Process: cardiac muscle development; synaptic transmission; intercellular junction assembly; visual perception; muscle contraction; gap junction assembly; transport; vasculogenesis; cell development
Research Articles on GJC1	**1.** our data highlighted the critical role of CX45 in reprogramming and may increase the cell division rate and result in an accelerated kinetics of iPSCs production.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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