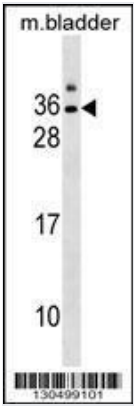
GJC3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GJE1 (GJC3), Polyclonal Antibody
Full Product Name	GJE1, CT (GJE1, Gap junction epsilon-1 protein, Connexin-23)
Product Gene Name	anti-GJC3 antibody
Product Synonym Names	Anti -GJE1, CT (GJE1, Gap junction epsilon-1 protein, Connexin-23)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Mouse
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	31,299 Da
Chromosome Location	Chromosome: 7; NC_000007.13 (99520892..99531833, complement). Location: 7q22.1
OMIM	611925
3D Structure	ModBase 3D Structure for Q8NFK1
Immunogen	GJE1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 178-205 amino acids from the C-terminal region of human GJE1.
Product Categories/Family for anti-GJC3 antibody	Antibodies; Abs to Connexin; Junction Proteins
Applications Tested/Suitable for anti-GJC3 antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-GJC3 antibody	Suitable for use in Western Blot, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500
Related Product Information for anti-GJC3 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-GJC3 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 GJC3 purchase	MBS6004765 is an antibody targeting GJC3. Also known as GJE1, CT (GJE1, Gap junction epsilon-1 protein, Connexin-23). Reactive in Mouse. Host: Rabbit.



Western Blot (WB) of anti-GJC3 antibody
GJE1 Antibody (C-term) western blot analysis in mouse bladder tissue lysates (35ug/lane).This demonstrates the GJE1 antibody detected the GJE1 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GJC3. It may not necessarily be applicable to this product.

NCBI GI #	31559821
NCBI GeneID	349149
NCBI Accession #	NP_853516.1
UniProt Primary Accession #	Q8NFK1
UniProt Secondary Accession #	Q86XI9; A4D296
UniProt Related Accession #	Q8NFK1
GenBank Nucleotide #	NM_181538.2
NCBI Official Full Name	gap junction gamma-3 protein
NCBI Official Synonym Full Names	gap junction protein, gamma 3, 30.2kDa
NCBI Official Symbol	GJC3
NCBI Official Synonym Symbols	CX29; GJE1; CX30.2; CX31.3
UniProt Protein Name	Gap junction gamma-3 protein
UniProt Synonym Protein Names	Connexin-30.2; Cx30.2; Connexin-31.3; Cx31.3; Gap junction epsilon-1 protein
Protein Family	Gap junction gamma-3 protein
UniProt Gene Name	GJC3
UniProt Synonym Gene Names	GJE1; Cx30.2; Cx31.3
UniProt Entry Name	CXG3_HUMAN
NCBI Protein Information	gap junction gamma-3 protein; connexin 29; connexin-30.2; connexin-31.3; gap junction epsilon-1 protein
NCBI Summary for GJC3	This gene encodes a gap junction protein. The encoded protein, also known as a connexin, plays a role in formation of gap junctions, which provide direct connections between neighboring cells. Mutations in this gene have been reported to be associated with nonsyndromic hearing loss.[provided by RefSeq, Feb 2010]

UniProt Comments for GJC3	GJC3: 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, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 7q22.1 Cellular Component: connexon complex; integral to membrane; myelin sheath Molecular Function: protein homodimerization activity Biological Process: myelination; sensory perception of sound; cell communication
Research Articles on GJC3	**1.** The connexin30.2/CX31.3 shares functional properties with pannexin (hemi) channels rather than gap junction channels of other Connexins.
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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