Connexin 25 (GJB7) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Connexin 25 (GJB7), Polyclonal Antibody
Full Product Name	Connexin 25 Polyclonal Conjugated Antibody
Product Gene Name	anti-GJB7 antibody
Product Synonym Names	GJB7; CX25; Gap junction beta-7 protein; Connexin-25; Cx25
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	Connexin 25 polyclonal antibody detects endogenous levels of Connexin 25 protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	25,860 Da
Chromosome Location	Chromosome: 6; NC_000006.11 (87992697..88038996, complement). Location: 6q15
OMIM	611921
3D Structure	ModBase 3D Structure for Q6PEY0
Immunogen	Synthesized peptide derived from the Internal region of human Connexin 25.
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-GJB7 antibody	Most Applications
Application Notes for anti-GJB7 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-GJB7 antibody	MBS9449709 is an antibody targeting GJB7. Also known as Connexin 25 Polyclonal Conjugated Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-GJB7 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GJB7. It may not necessarily be applicable to this product.

NCBI GI #	38348412
NCBI GeneID	375519
NCBI Accession #	NP_940970.1
UniProt Primary Accession #	Q6PEY0
UniProt Secondary Accession #	Q96KP0; B3KXL0
UniProt Related Accession #	Q6PEY0
GenBank Nucleotide #	NM_198568.2
NCBI Official Full Name	gap junction beta-7 protein
NCBI Official Synonym Full Names	gap junction protein, beta 7, 25kDa
NCBI Official Symbol	GJB7
NCBI Official Synonym Symbols	CX25; bA136M9.1; connexin25
UniProt Protein Name	Gap junction beta-7 protein
UniProt Synonym Protein Names	Connexin-25
Protein Family	Gap junction beta-7 protein
UniProt Gene Name	GJB7
UniProt Synonym Gene Names	CX25; Cx25
UniProt Entry Name	CXB7_HUMAN
NCBI Protein Information	gap junction beta-7 protein; connexin 25; connexin-25
NCBI Summary for GJB7	Connexins, such as GJB7, are involved in the formation of gap junctions, intercellular conduits that directly connect the cytoplasms of contacting cells. Each gap junction channel is formed by docking of 2 hemichannels, each of which contains 6 connexin subunits (Sohl et al., 2003 [PubMed 12881038]).[supplied by OMIM, Mar 2008]
UniProt Comments for GJB7	GJB7: 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. Beta-type (group I) subfamily. Protein type: Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 6q15 Cellular Component: connexon complex; integral to membrane Biological Process: cell communication
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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