GJB7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GJB7, Polyclonal Antibody
Full Product Name	GJB7 (Gap junction beta-7 Protein, Connexin-25, Cx25, GJB7, CX25) (APC)
Product Gene Name	anti-GJB7 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified
Specificity	Recognizes human GJB7. Species Crossreactivity: human
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
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	Synthetic peptide corresponding to GJB7.
Conjugate	APC
Note	Preservative Free
Product Categories/Family for anti-GJB7 antibody	Antibodies; Connexin; Junction Proteins
Applications Tested/Suitable for anti-GJB7 antibody	Western Blot (WB)
Application Notes for anti-GJB7 antibody	WB: 1:1000 Applications are based on unconjugated antibody.
Related Product Information for anti-GJB7 antibody	MBS6456328 is an antibody targeting GJB7. Also known as GJB7 (Gap junction beta-7 Protein, Connexin-25, Cx25, GJB7, CX25) (APC). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-GJB7 antibody	Willecke K., et al. Biol. Chem. 383:725-737(2002). Ota T., et al. Nat. Genet. 36:40-45(2004). Mungall A.J., et al. Nature 425:805-811(2003). Bondarev I., et al. Cell Commun. Adhes. 8:167-171(2001). Soehl G., et al. Cell Commun. Adhes. 10:27-36(2003).
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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