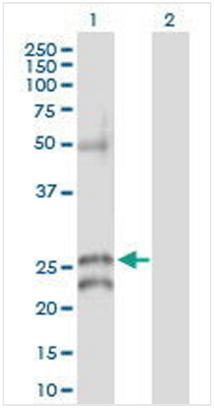
GJB5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GJB5, Polyclonal Antibody
Full Product Name	GJB5 (Gap Junction beta-5 Protein, Connexin-31.1, Cx31.1)
Product Gene Name	anti-GJB5 antibody
Product Synonym Names	Anti -GJB5 (Gap Junction beta-5 Protein, Connexin-31.1, Cx31.1)
Immunogen Sequence	MNWSIFEGLL SGVNKYSTAF GRIWLSLVFI FRVLVYLVTA ERVWSDDHKD FDCNTRQPGC SNVCFDEFFP VSHVRLWALQ LILVTCPSLL VVMHVAYREV QEKRHREAHG ENSGRLYLNP GKKRGGLWWT YVCSLVFKAS VDIAFLYVFH SFYPKYILPP VVKCHADPCP NIVDCFISKP SEKNIFTLFM VATAAICILL NLVELIYLVS KRCHECLAAR KAQAMCTGHH PHGTTSSCKQ DDLLSGDLIF LGSDSHPPLL PDRPRDHVKK TIL
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Recognizes human GJB5.
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 at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	31,088 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (35220648..35224113). Location: 1p35.1
OMIM	604493
3D Structure	ModBase 3D Structure for O95377
Immunogen	Full length human GJB5, aa1-273 (NP_005259.1).
Product Categories/Family for anti-GJB5 antibody	Antibodies; Abs to Connexin; Junction Proteins
Applications Tested/Suitable for anti-GJB5 antibody	Western Blot (WB)
Application Notes for anti-GJB5 antibody	Suitable for use in Western Blot.
Related Product Information for anti-GJB5 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-GJB5 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 GJB5 purchase	MBS6013169 is an antibody targeting GJB5. Also known as GJB5 (Gap Junction beta-5 Protein, Connexin-31.1, Cx31.1). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-GJB5 antibody
Western Blot analysis of GJB5 expression in transfected 293T cell line by GJB5 polyclonal antibody. Lane 1: GJB5 transfected lysate (31.1kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GJB5. It may not necessarily be applicable to this product.

NCBI GI #	10835079
NCBI GeneID	2709
NCBI Accession #	NP_005259.1
UniProt Primary Accession #	O95377
UniProt Secondary Accession #	Q9UPA3
UniProt Related Accession #	O95377
GenBank Nucleotide #	NM_005268.3
NCBI Official Full Name	gap junction beta-5 protein
NCBI Official Synonym Full Names	gap junction protein, beta 5, 31.1kDa
NCBI Official Symbol	GJB5
NCBI Official Synonym Symbols	CX31.1
UniProt Protein Name	Gap junction beta-5 protein
UniProt Synonym Protein Names	Connexin-31.1
Protein Family	Gap junction beta-5 protein
UniProt Gene Name	GJB5
UniProt Synonym Gene Names	Cx31.1
UniProt Entry Name	CXB5_HUMAN
NCBI Protein Information	gap junction beta-5 protein; gap junctional protein cx31.1; gap junction protein, beta 5 (connexin 31.1)
NCBI Summary for GJB5	This gene encodes a member of the beta-type (group I) connexin family. The encoded protein is a gap junction protein involved in intercellular communication related to epidermal differentiation and environmental sensing. This gene has been linked to non-small cell lung cancer. [provided by RefSeq, Nov 2012]

UniProt Comments for GJB5	GJB5: 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, integral; Membrane protein, multi-pass; Cell adhesion Chromosomal Location of Human Ortholog: 1p35.1 Cellular Component: connexon complex; integral to membrane Biological Process: epidermis development; cell communication
Research Articles on GJB5	**1.** Overexpression of Cx31.1 in H1299 cells reduced cell proliferation, delayed the G1 phase, inhibited anchorage-independent growth, and suppressed cell migration and invasion. Xenografts of Cx31.1 overexpressing H1299 cells had reduced tumourigenicity.
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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