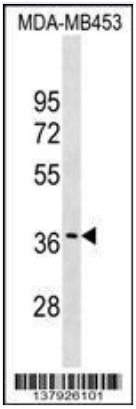
GJC3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GJC3, Polyclonal Antibody
Full Product Name	GJC3, CT (GJC3, GJE1, Gap junction gamma-3 protein, Connexin-30.2, Connexin-31.3, Gap junction epsilon-1 protein) (AP)
Product Gene Name	anti-GJC3 antibody
Product Synonym Names	GJC3; GJE1; Gap junction gamma-3 protein; Connexin-30.2; Connexin-31.3; Gap junction epsilon-1 protein
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 Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C. 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. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	31,299 Da
Chromosome Location	Chromosome: 7; NC_000007.13 (99520892..99527243, complement). Location: 7q22.1
OMIM	611925
3D Structure	ModBase 3D Structure for Q8NFK1
Immunogen	GJC3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 251-278 amino acids from the C-terminal region of human GJC3.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-GJC3 antibody	Antibodies; Connexin; Junction Proteins
Applications Tested/Suitable for anti-GJC3 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-GJC3 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-GJC3 antibody	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.
Product References and Citations for anti-GJC3 antibody	Yang, J.J., et al. Hum. Genet. 128(3):303-313(2010). Ramchander, P.V., et al. Genet Test Mol Biomarkers 14(4):539-541(2010). Hong, H.M., et al. Hum. Genet. 127(2):191-199(2010). Wang, W.H., et al. Audiol. Neurootol. 15(2):81-87(2010). Sargiannidou, I., et al. Neurobiol. Dis. 30(2):221-233(2008).
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	MBS6302325 is an antibody targeting GJC3. Also known as GJC3, CT (GJC3, GJE1, Gap junction gamma-3 protein, Connexin-30.2, Connexin-31.3, Gap junction epsilon-1 protein) (AP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-GJC3 antibody
GJC3 Antibody (C-term) western blot analysis in MDA-MB453 cell line lysates (35ug/lane).This demonstrates the GJC3 antibody detected the GJC3 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

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, integral; Membrane protein, multi-pass 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.
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