Connexin 32 (GJB1) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Connexin 32 (GJB1), Polyclonal Antibody
Full Product Name	Anti - Connexin 32 (CX32, Gap Junction Beta 1 Protein, CXB-1, Gap Junction 28kD Liver Protein)
Product Gene Name	anti-GJB1 antibody
Product Synonym Names	Connexin 32 (CX32, Gap Junction Beta 1 Protein, CXB-1, Gap Junction 28kD Liver Protein)
Clonality	Polyclonal
Isotype	IgG
Host	Host: Rabbit Source: Rat
Species Reactivity	Rat
Form/Format	Serum Supplied as a liquid, neat serum, 40% glycerol.
Purity/Purification	Serum
Specificity	Rat Cx32 immunogenic peptide sequences is the same in mouse, rat and human (4
Preparation and Storage	May be stored at 4 degree C for short-term only. For long-term storage and to avoid repeated freezing and thawing, aliquot and add glycerol (40-50%). Freeze at -20 degree C. Aliquots are stable for at least 12 months at -20 degree C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.
Molecular Weight	32,025 Da
Chromosome Location	Chromosome: X; NC_000023.10 (70435062..70445065). Location: Xq13.1
OMIM	145900
3D Structure	ModBase 3D Structure for P08034
Immunogen	A 19 amino acid peptide sequence within the 2nd cytoplasmic domain of the rat Cx32 (2) was used to generate anti-rat Cx32. Amino terminal Cysteine was added for conjugation to KLH (carrier protein)
Product Categories/Family for anti-GJB1 antibody	Abs to Connexin
Applications Tested/Suitable for anti-GJB1 antibody	ELISA, Western Blot
Application Notes for anti-GJB1 antibody	Suitable for use in ELISA, Western Blotting. Other applications not tested. **Dilution:** Western Blot: 1:1000-1:5000 for neat serum and 1-10ug/ml for affinity pure using ECL. An antibody raised against this epitope has been used for Westerns (3) to detect a broad band of 28-30kD. Additional high MW. bands (aggregated Cx32) may also be detected.
Related Product Information for anti-GJB1 antibody	MBS614223 is an antibody targeting GJB1. Also known as Anti - Connexin 32 (CX32, Gap Junction Beta 1 Protein, CXB-1, Gap Junction 28kD Liver Protein). Reactive in Rat. Host: Rabbit Source: Rat.

Product References and Citations for anti-GJB1 antibody	• 1. Kumar, Nm and Giula, NB (1996) Cell 84, 381-388; White, WT et al (1995) Kidney Intl. 48, 1148-1157; Evans, HW (1994) Biochem. Soc. Tr. 788-792; Byer, E et al (1990) J. membrane Biol. 116, 187-1942. Paul D (1986) J Cell Biol. 103, 123-134; Heynkes, R et al (1986) FEBS Lett. 205, 56-60; Nicholson, B (1985) JBC 260, 6514; Zimmer, DB et al (1987) JBC 262, 7751; Rahman, S et al (1991) J Cell Sci. 100, 567-5783. Zhang, J-T. and Nicholson, BJ (194) J. Membrane Biol. 139, 15-294. Nishi M et al (1991) Dev. Biol. 146, 117-130; Kumar, NM (1986) J Cell Biol. 103, 767-776
Other Notes	Small volumes of anti-GJB1 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 GJB1. It may not necessarily be applicable to this product.

NCBI GI #	974141
NCBI GeneID	2705
UniProt Primary Accession #	P08034
UniProt Secondary Accession #	Q5U0S4; B2R8R2; D3DVV2
UniProt Related Accession #	P08034
NCBI Official Full Name	connexin 32
NCBI Official Synonym Full Names	gap junction protein, beta 1, 32kDa
NCBI Official Symbol	GJB1
NCBI Official Synonym Symbols	CMTX; CX32; CMTX1
UniProt Protein Name	Gap junction beta-1 protein
UniProt Synonym Protein Names	Connexin-32; Cx32; GAP junction 28 kDa liver protein
Protein Family	Gap junction beta-1 protein
UniProt Gene Name	GJB1
UniProt Synonym Gene Names	CX32
UniProt Entry Name	CXB1_HUMAN
NCBI Protein Information	gap junction beta-1 protein; connexin 32; connexin-32; OTTHUMP00000023502; OTTHUMP00000023503; OTTHUMP00000023504; GAP junction 28 kDa liver protein
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