

Mouse Connexin 32 Monoclonal Antibody | anti-GJB1 antibody

Connexin 32 (Gap Junction Protein)

CATALOG # AAA62996	HOST Mouse	REACTIVITY Human, Mouse, Rat. Others not known.	APPLICATIONS Immunohistochemistry
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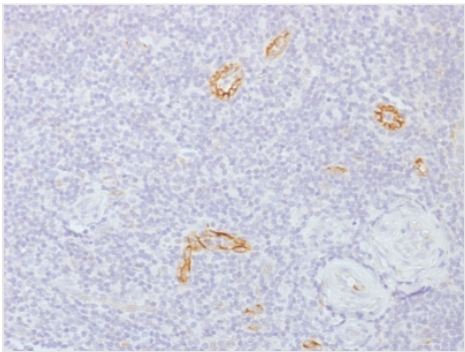
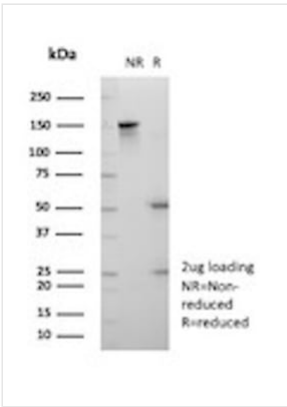
PRODUCT SYNONYMS

Connexin 32; Monoclonal Antibody; Connexin 32 (Gap Junction Protein); Charcot Marie Tooth neuropathy X linked; CMTX; CMTX1; Connexin-32; Cx32; GAP junction 28kDa liver protein; Gap junction beta-1 protein; Gap junction protein beta 1 32kD; GJB1; anti-GJB1 antibody

PRODUCT SPECIFICATIONS

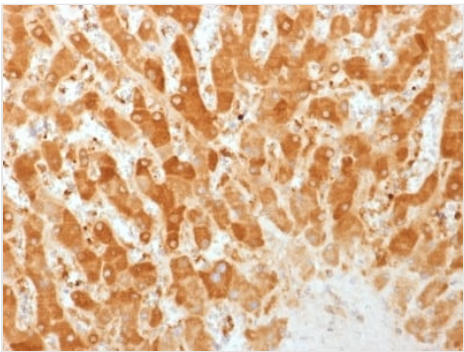
Host	Mouse
Reactivity	Human, Mouse, Rat. Others not known.
Clonality	Monoclonal
Isotype	IgG
Clone Number	GJB1/1753
Specificity	This Ab recognizes a protein of 27-32kDa, identified as Connexin 32. The connexin family of proteins forms hexameric complexes called connexons that facilitate movement of low molecular weight proteins between cells via gap junctions. Connexin proteins share a common topology of four transmembrane alpha-helical domains, two extracellular loops, a cytoplasmic loop and cytoplasmic N- and C-termini. Many of the key functional differences arise from specific amino-acid substitutions in the most highly conserved domains, the transmembrane and extracellular regions. Each of the approximately 20-connexin isoforms produces channels with distinct permeability and electrical and chemical sensitivities; therefore, one connexin usually cannot fully substitute for another.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	283
Applicable Applications for anti-GJB1 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant human GJB1 protein
Cellular Localization	Cell junction, Cell membrane, Gap Junction
Positive Control	MCF-7 Cells. Liver, Kidney, Stomach or Tonsil
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with Connexin 32 Monoclonal Antibody (GJB1/1753)

SDS-PAGE
SDS-PAGE Analysis of Purified Gap junction beta-1 protein Mouse Monoclonal Antibody (GJB1/1753). Confirmation of Purity and Integrity of Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Liver stained with Connexin 32 Monoclonal Antibody (GJB1/1753)

ADDITIONAL INFORMATION

References	D. A. Goodenough et. al. Topological distribution of two connexin32 antigenic sites in intact and split rodent hepatocyte gap junctions. Journal of Cell Biology, 107(5), 1817-1824 (1988)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504005
NCBI GeneID	2705
NCBI Accession #	NP_000157.1
NCBI GenBank Nucleotide #	NM_000166.5
UniProt Accession #	P08034; Q5U0S4; B2R8R2; D3DVV2
Molecular Weight	27-32kDa
NCBI Official Full Name	gap junction beta-1 protein
NCBI Official Synonym Full Names	gap junction protein beta 1
NCBI Official Symbol	GJB1
NCBI Official Synonym Symbols	CMTX; CX32; CMTX1
NCBI Protein Information	gap junction beta-1 protein
UniProt Protein Name	Gap junction beta-1 protein

UniProt Gene Name	GJB1
UniProt Synonym Gene Names	CX32; Cx32

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/connexin-32-antibody-clone-gjb1-1753-immunohistochemistry-elisa/62996>