

Anti-Connexin 32 Antibody (GJB1/1753)

CATALOG NO: A1578-100

ALTERNATIVE NAMES: 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 32 kD; GJB1

AMOUNT: 100 µg

IMMUNOGEN: Recombinant human GJB1 protein

HOST/ISOTYPE: Mouse / IgG

CLONALITY: Monoclonal

CLONE: GJB1/1753

MOL WEIGHT: 27-32 kDa

SPECIES REACTIVITY: Human, Mouse and Rat

PURIFICATION: Protein G purified

FORM: Liquid

FORMULATION: Supplied in 10 mM PBS with 0.05% BSA & 0.05% azide

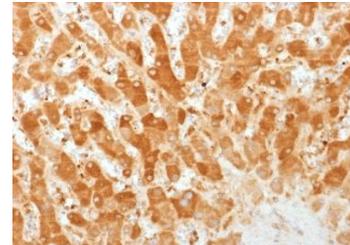
STORAGE CONDITIONS: Shipped at 4°C. Long term storage at -20°C

DESCRIPTION: This Ab recognizes a protein of 27-32 kDa, 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 -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.

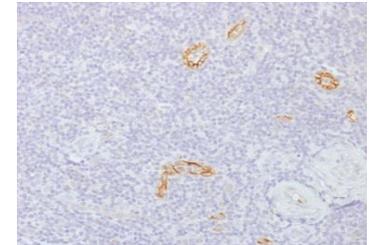
APPLICATION: FC: 0.5-1 µg/1X10⁶ cells
IF: 1-2 µg/ml
WB: 0.5-1 µg/ml
IHC: 1-2 µg/ml for 30 minutes at RT

(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



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



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

RELATED PRODUCTS:

- Phospho-Connexin 43 (Ser368) Antibody (Cat. No. A1268)
- PANX1 Antibody (NT) (Cat. No. 5308)
- Src1, Active (Cat. No. 7750)

FOR RESEARCH USE ONLY! Not to be used on humans.