

GJB2 / CX26 / Connexin 26 Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS17118**Specification**

GJB2 / CX26 / Connexin 26 Antibody (Internal) - Product Information

Application	IHC
Primary Accession	P29033
Other Accession	2706
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26215

GJB2 / CX26 / Connexin 26 Antibody (Internal) - Additional Information**Gene ID** 2706**Other Names**

GJB2, Connexin 26, Connexin-26, DFNB1A, DFNA3, DFNB1, Gap junction protein beta 2, KID, HID, PPK, NSRD1, CX26, DFNA3A

Target/Specificity

GJB2 antibody is human specific.

Reconstitution & Storage

PBS, 0.02% sodium azide. Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

GJB2 / CX26 / Connexin 26 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

GJB2 / CX26 / Connexin 26 Antibody (Internal) - Protein Information**Name** GJB2**Function**

Structural component of gap junctions (PubMed:17551008, PubMed:19340074, PubMed:21094651, PubMed:26753910, PubMed:16849369, PubMed:19384972). Gap junctions are dodecameric channels that connect the cytoplasm of adjoining cells. They are formed by the docking of two hexameric hemichannels, one from each cell membrane (PubMed:17551008, PubMed:19340074, PubMed:21094651, PubMed:26753910, PubMed:16849369, PubMed:19384972).

href="http://www.uniprot.org/citations/21094651" target="_blank">21094651, PubMed:26753910). Small molecules and ions diffuse from one cell to a neighboring cell via the central pore (PubMed:21094651, PubMed:16849369, PubMed:19384972).

Cellular Location

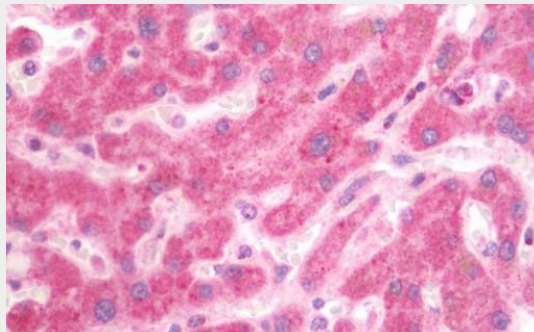
Cell membrane; Multi-pass membrane protein. Cell junction, gap junction. Note=Colocalizes with GJB4 at gap junction plaques in the cochlea. {ECO:0000250|UniProtKB:Q00977}

GJB2 / CX26 / Connexin 26 Antibody (Internal) - Protocols

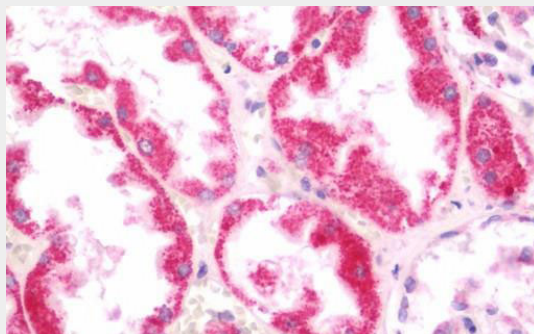
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GJB2 / CX26 / Connexin 26 Antibody (Internal) - Images



Human Liver: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)

GJB2 / CX26 / Connexin 26 Antibody (Internal) - Background

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.

GJB2 / CX26 / Connexin 26 Antibody (Internal) - References

Lee S.W.,et al.J. Cell Biol. 118:1213-1221(1992).
Hamelmann C.,et al.Hum. Mutat. 18:84-85(2001).
Gasmelseed N.M.A.,et al.Hum. Mutat. 23:206-207(2004).
Najmabadi H.,et al.Am. J. Med. Genet. A 133:132-137(2005).
Joseph A.Y.,et al.Submitted (FEB-2002) to the EMBL/GenBank/DDBJ databases.