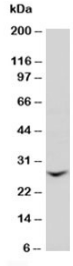
GJB2 Antibody (R30199)

Catalog No.	Formulation	Size
R30199	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P29033
Applications	Western Blot : 0.5-1ug/ml
Limitations	This GJB2 antibody is available for research use only.



Western blot testing of GJB2 antibody and rat liver tissue lysate. Predicted molecular weight: ~26kDa.

Description

Connexin 26 (CX26), also known as GAP junction protein beta2 (GJB2). Gap junctions were first characterized by electron microscopy as regionally specialized structures on plasma membranes of contacting adherent cells. These structures were shown to consist of cell-to-cell channels. Proteins, called connexins, purified from fractions of enriched gap junctions from different tissues differ. The 3-prime untranslated region of the CX26 transcript contains a putative mRNA instability sequence. The deduced 226-amino acid protein has a calculated molecular mass of about 26 kD. CX26 shares 92.5% identity with rat Cx26. connexin 26(GJB2) is assigned to human chromosome 13q11-q12 .Connexin 26 regulates epidermal barrier and wound remodeling and promotes psoriasiform response. Connexin 26 gene(GJB2)

mutation modulates the severity of hearing loss associated with the 1555A-G mitochondrial mutation.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the GJB2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human GJB2 (MDWGTLQTILGGVNKH) was used as the immunogen for this GJB2 antibody.

Storage

After reconstitution, the GJB2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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