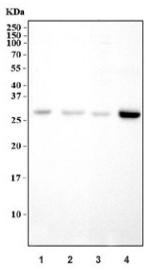
Connexin 26 Antibody / GJB2 (RQ6770)

Catalog No.	Formulation	Size
RQ6770	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 purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P29033
Applications	Western blot: 1-2ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This Connexin 26 antibody is available for research use only.



Western blot testing of 1) rat liver, 2) rat kidney, 3) mouse liver and 4) mouse kidney tissue lysate with Connexin 26 antibody. Predicted molecular weight: ~26 kDa.

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

Optimal dilution of the Connexin 26 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids A88-T137) was used as the immunogen for the Connexin 26 antibody.

Storage

After reconstitution, the Connexin 26 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.