Connexin 32 Antibody / GJB1 [clone R5.21C] (V3305)

Catalog No.	Formulation	Size
V3305-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3305-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3305SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

📖 Citations (8)   **Bulk quote request**

Availability	Discontinued
Species Reactivity	Mouse, Rat
Format	Purified
Host	Rat
Clonality	Monoclonal (rat origin)
Isotype	Rat IgG2a, kappa
Clone Name	R5.21C
Purity	Protein G affinity chromatography
UniProt	P28230
Localization	Cell surface, cytoplasmic
Applications	ELISA : 1-5ug/ml for coating (order BSA/sodium azide-free format)
Limitations	This Connexin 32 antibody is available for research use only.
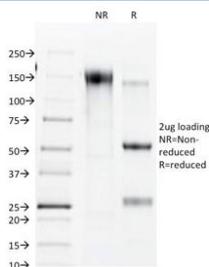
SDS-PAGE Analysis of Purified, BSA-Free Connexin 32 Antibody (clone R5.21C). Confirmation of Integrity and Purity of the Antibody.

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 ÃŽÂ±-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 Notes

Optimal dilution of the Connexin 32 antibody should be determined by the researcher.

Immunogen

Mouse liver DOC-JR-plasma membranes were used as the immunogen for the Connexin 32 antibody.

Storage

Store the Connexin 32 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).