

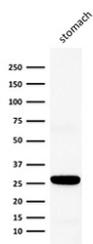
Connexin 32 Antibody / GJB1 [clone M12.13] (V3306)

| Catalog No. | Formulation | Size |
|----------------|--|--------|
| V3306-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V3306-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V3306SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

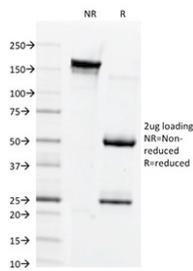
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| | |
|---------------------------|--|
| Availability | 1-3 business days |
| Species Reactivity | Human, Mouse, Rat |
| Format | Purified |
| Host | Mouse |
| Clonality | Monoclonal (mouse origin) |
| Isotype | Mouse IgG |
| Clone Name | M12.13 |
| Purity | Protein G affinity chromatography |
| UniProt | P08034 |
| Localization | Cell surface, cytoplasmic |
| Applications | Immunofluorescence : 1-2ug/ml Flow Cytometry : 0.5-1ug/10 ⁶ cells Western Blot : 0.5-1ug/ml |
| Limitations | This Connexin 32 antibody is available for research use only. |



Western blot testing of human stomach tissue with Connexin 32 antibody (clone M12.13). Predicted molecular weight ~32 kDa.



SDS-PAGE Analysis of Purified, BSA-Free Connexin 32 Antibody (clone M12.13).
Confirmation of Integrity and Purity of the Antibody.

Description

This Ab recognizes a protein of 27-32kDa, 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 α -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

Rat junctional complexes were used as the immunogen for the Connexin 32 antibody. The epitope is known to be located in the cytoplasmic loop (Ref 1).

Storage

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

References (1)