

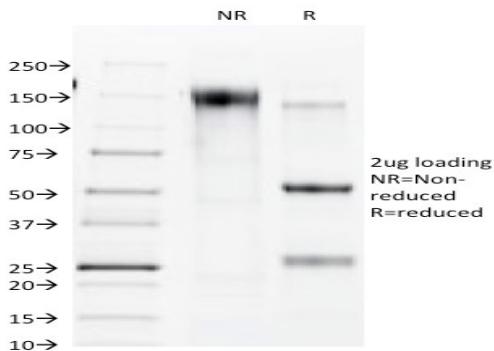
Connexin 32 (Gap Junction Protein)

Rat Monoclonal Antibody [Clone R5.21C]

Catalog No	Format	Size	Price (USD)
MS14618-RTM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug	219.00
MS14618-RTM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug	499.00
MS14618-RTM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug	499.00

Human Entrez Gene ID	14618
Human SwissProt	P28230
Human Unigene	21198
Human Gene Symbol	Gjb1
Human Chromosome Location	
Synonyms	Charcot Marie Tooth neuropathy X linked; CMTX; CMTX1; Connexin-32; Cx32; GAP junction 28kDa liver protein; Gap junction beta-1 protein; Gap junction protein beta 1 32kD; GJB1

Immunogen	Mouse liver DOC-JR-plasma membranes
Host / Ig Isotype	Rat / IgG2a, kappa
Mol. Weight of Antigen	27-32kDa
Cellular Localization	Cytoplasmic and Cell Surface
Species Reactivity	Mouse. Rat.
Positive Control	MCF-7 cells. Pancreas, Liver, Kidney, Stomach or Tonsil.



SDS-PAGE Analysis Purified Connexin 32 Mouse Monoclonal Antibody (R5.21C). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

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 therefore, one connexin usually cannot fully substitute for another.

Known Applications & Suggested Dilutions

ELISA (For coating use Ab at 1-5ug/ml, order Ab without BSA)
 Optimal dilution for a specific application should be determined.

Key References

1. J. Cell Biol. 103, 755-766.
2. J. Cell Sci. 116, 3315-3325.
3. Biol. Reprod. 49, 1277-1287.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations

This antibody is available for research use only and is not approved for use in diagnosis.

Warranty

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.