

# Product Datasheet

## Connexin 31/GJB3 Antibody (3B4-1B3) - Azide and BSA Free H00002707-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/H00002707-M01](http://www.novusbio.com/H00002707-M01)

Updated 2/21/2025 v.20.1

Earn rewards for product reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/H00002707-M01](http://www.novusbio.com/reviews/destination/H00002707-M01)



**H00002707-M01**

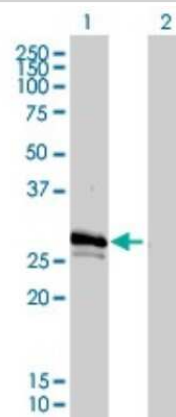
Connexin 31/GJB3 Antibody (3B4-1B3) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3B4-1B3
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	2707
Gene Symbol	GJB3
Species	Human
Specificity/Sensitivity	GJB3 - gap junction protein, beta 3, 31kDa (connexin 31)
Immunogen	GJB3 (AAH12918.1, 1 a.a. ~ 270 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MDWKTLQALLSGV NKYSTAFGR IWL SVVFVRVLVYVVA AERVWGDEQKDFD CNTKQPGCTNVCYDNYFPISNIRLWALQLIFVTCPSLLVILHVAYREERERRHRQ KHGDQCAKLYDNAGKKHGGGLWWTYLFSLIFKLIIEFLFLYLLHTLWHGFNMPRL VQCANVAPCPNIVDCYIARPTEKKIFTYFMVGASAVCIVLTICELCYLICHRLVLRG LHKDKPRGGCSPSSSASRASTCRCHHKLVEAGEVDPDPGNNKLQASAPNLTP I
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA
Recommended Dilutions	Western Blot 1:500, ELISA, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA
Application Notes	Antibody reactivity against cell lysate, transfected lysate and recombinant protein for WB. It has been used for IF and ELISA.

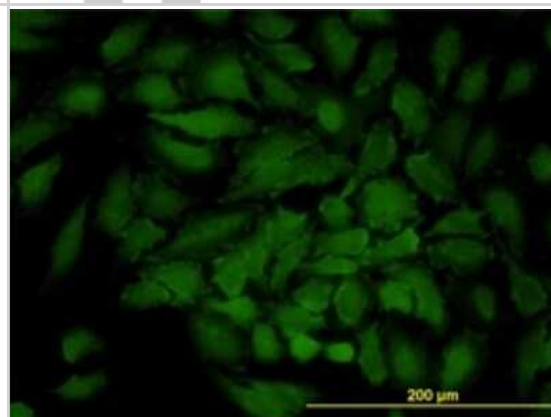


## Images

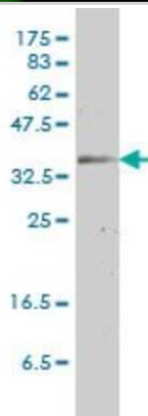
Western Blot: Connexin 31/GJB3 Antibody (3B4-1B3) [H00002707-M01]  
- Analysis of GJB3 expression in transfected 293T cell line by GJB3 monoclonal antibody (M01), clone 3B4-1B3. Lane 1: GJB3 transfected lysate (31 KDa). Lane 2: Non-transfected lysate.



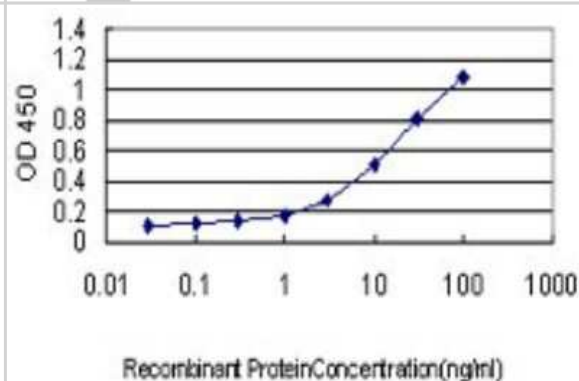
Immunocytochemistry/Immunofluorescence: Connexin 31/GJB3 Antibody (3B4-1B3) [H00002707-M01] - Analysis of monoclonal antibody to GJB3 on HeLa cell. Antibody concentration 10 ug/ml.



Western Blot: Connexin 31/GJB3 Antibody (3B4-1B3) [H00002707-M01]  
- GJB3 monoclonal antibody (M01), clone 3B4-1B3 Analysis of GJB3 expression in HeLa.



Sandwich ELISA: Connexin 31/GJB3 Antibody (3B4-1B3) [H00002707-M01] - Detection limit for recombinant GST tagged GJB3 is approximately 0.3ng/ml as a capture antibody.



## Publications

Tattersall D, Scott CA, Gray C et al. EKV mutant connexin 31 associated cell death is mediated by ER stress. Hum Mol Genet 18(24):4734-45. 2009-12-15 [PMID: 19755382]



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to H00002707-M01**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00002707-P01-10ug	Recombinant Human Connexin 31/GJB3 GST (N-Term) Protein

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/H00002707-M01](http://www.novusbio.com/reviews/submit/H00002707-M01)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

