

# Product Datasheet

## Connexin 43/GJA1 Antibody

### NBP1-51938

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NBP1-51938**

Connexin 43/GJA1 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Host	Goat
Gene ID	2697
Gene Symbol	GJA1
Species	Rat
Marker	Gap Junctions Marker
Immunogen	Peptide with sequence C-QPFDPPDDNQNSKK corresponding to internal region according to NP_000156.1.

Product Application Details	
Applications	Western Blot, Peptide ELISA
Recommended Dilutions	Western Blot 1:100-1:2000, Peptide ELISA Detection limit 1:64000
Application Notes	WB: Approx. 40 kDa band observed in rat brain lysates (calculated MW of 43.0 kDa band according to human NP_000156.1 and to rat NP_036699.1).

**Images**

Western Blot: Connexin 43/GJA1 Antibody [NBP1-51938] - NBP1-51938 (0.3ug/ml) staining of Rat Brain lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**Publications**

Fossey MPM, Balthazaar SJT, Squair JW et al. Spinal cord injury impairs cardiac function due to impaired bulbospinal sympathetic control Nature communications 2022-03-16 [PMID: 35296681] (ICC/IF, Rat)

de la Parra DR, Zenteno JC. A new GJA1 (connexin 43) mutation causing oculodentodigital dysplasia associated to uncommon features. Ophthalmic Genet 2007-12-01 [PMID: 18161618]



### 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  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

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HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
NBP2-38234PEP	Connexin 43/GJA1 Recombinant Protein Antigen

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### 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.

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