

Product Datasheet

Connexin 36/GJD2 Antibody - BSA Free NBP1-59254

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-59254

Connexin 36/GJD2 Antibody - BSA Free

Product Information

Unit Size	100 ul
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS, 2% Sucrose

Product Description

Description	The addition of 50% glycerol is optional for those storing this antibody at -20C and not aliquoting smaller units. However, please note that glycerol may interrupt some downstream antibody applications and should be added with caution.
Host	Rabbit
Gene ID	57369
Gene Symbol	GJD2
Species	Human, Mouse
Immunogen	Synthetic peptides corresponding to GJD2(gap junction protein, delta 2, 36kDa) The peptide sequence was selected from the middle region of GJD2. Peptide sequence ELNHLGWRKIKLAVRGAQAKRKSIEIRNKDLPRVSVNPNFGRTQSSDSAY. The peptide sequence for this immunogen was taken from within the described region.

Product Application Details

Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1.0 ug/ml, Immunohistochemistry 1:1000, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen 1:1000
Application Notes	Use in Immunohistochemistry-Paraffin reported in scientific literature (PMID 25197082). Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID: 30412665).

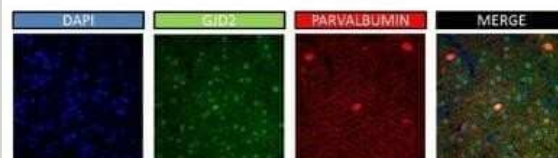


Images

Western Blot: Connexin 36/GJD2 Antibody [NBP1-59254] -
 Recommended Titration: 0.2 - 1 ug/ml ELISA Titer: 1:62500 Positive
 Control: Jurkat cell lysate GJD2 is supported by BioGPS gene
 expression data to be expressed in Jurkat

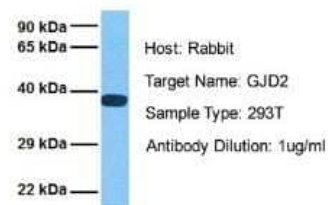


Immunohistochemistry: Connexin 36/GJD2 Antibody [NBP1-59254] - IHC
 detection of Connexin 36/GJA9 in 50uM thick section of Mouse Brain.
 The tissues were pre-fixed overnight in 4% PFA, and primary antibody
 NBP1-59254 was used at a concentration of 1ug/mL (along with
 Parvalbumin antibody for double staining) with gentle shaking and
 overnight incubation at 4C. For the detection of NBP1-59254 primary,
 anti-rabbit Alexa 555 secondary was employed and images were
 captured using a confocal microscope at 63X resolution.



Western Blot: Connexin 36/GJD2 Antibody [NBP1-59254] - Sample
 Tissue: Human 293T Antibody Dilution: 1.0 ug/ml

GJD2



Publications

Hitoshi Iida, Tatsuyoshi Kono, Chih-Chun Lee, Preethi Krishnan, Matthew C. Arvin, Staci A. Weaver, Timothy S. Jarvela, Renato C. S. Branco, Madeline R. McLaughlin, Robert N. Bone, Xin Tong, Peter Arvan, Iris Lindberg, Carmella Evans-Molina SERCA2 regulates proinsulin processing and processing enzyme maturation in pancreatic beta cells *Diabetologia* 2023-08-04 [PMID: 37537395]

Farnsworth NL, Walter R, Piscopio RA et al. Exendin-4 overcomes cytokine-induced decreases in gap junction coupling via protein kinase A and Epac2 in mouse and human islets. *J. Physiol. (Lond.)*. 2018-11-09 [PMID: 30412665] (ICC/IF, Mouse, Human)

Moore AR, Zhou WL, Sirois CL et al. Connexin hemichannels contribute to spontaneous electrical activity in the human fetal cortex. *Proc. Natl. Acad. Sci. U.S.A.* 2014-09-16 [PMID: 25197082] (IHC-P, Human)





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

Products Related to NBP1-59254

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00057369-Q01-10ug	Recombinant Human Connexin 36/GJD2 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.

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