

Product Datasheet

Claudin-12 Antibody - BSA Free NBP1-87450

Unit Size: 0.1 ml

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

www.novusbio.com



technical@novusbio.com

Publications: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-87450

Updated 12/2/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP1-87450



NBP1-87450

Claudin-12 Antibody - BSA Free

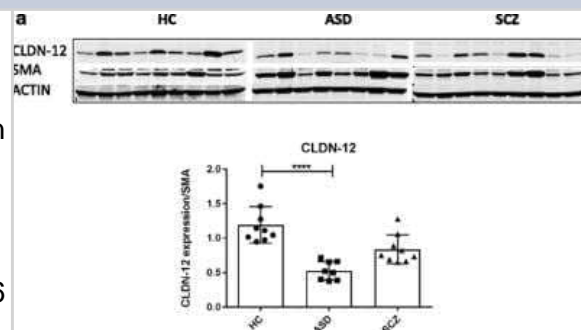
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Description	Novus Biologicals Rabbit Claudin-12 Antibody - BSA Free (NBP1-87450) is a polyclonal antibody validated for use in IHC and WB. Anti-Claudin-12 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	9069
Gene Symbol	CLDN12
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (89%)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: SLSPFWQPLYSHPPSMHTYSQPYSARSRLSAIEIDIPVVSHTT

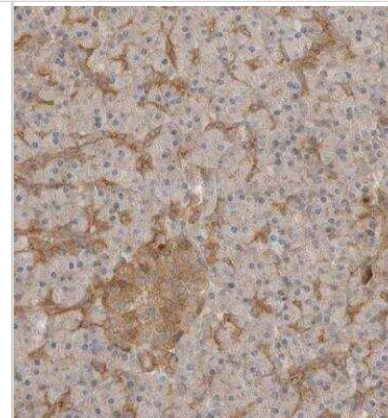
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	WB reported in scientific literature (PMID: 29986305). For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

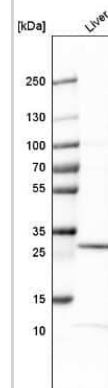
Western Blot: Claudin-12 Antibody [NBP1-87450] - Increased CLDN-5 and decreased CLDN-12 expression in the cortex of ASD subjects. a Brain tissues were lysed and immunoblotted with anti-claudin-12, SMA or actin antibody. b Densitometry analysis of the results from the western blots is shown, where the data are normalized against SMA expression and are expressed as the mean +/- standard error. Quantitative results represent the average of three independent experiments. ****p < 0.0001. Image collected and cropped by CiteAb from the following publication (<https://molecularautism.biomedcentral.com/articles/10.1186/s13229-016-0110-z>) licensed under a CC-BY license.



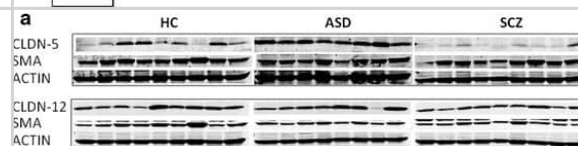
Immunohistochemistry-Paraffin: Claudin-12 Antibody [NBP1-87450] - Staining of human pancreas shows moderate cytoplasmic and membranous positivity in exocrine glandular cells along with moderate cytoplasmic staining in islets of Langerhans



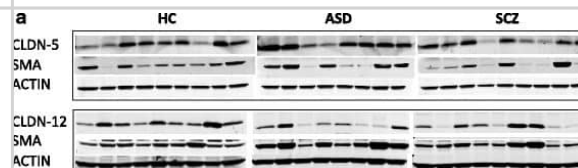
Western Blot: Claudin-12 Antibody [NBP1-87450] - Analysis in human liver tissue.



Western Blot: Claudin-12 Antibody [NBP1-87450] - Increased CLDN-5 expression in the cerebellum of ASD subjects. a Western blots of brain lysates immunoblotted with anti-claudin-5, anti-claudin-12, SMA or actin antibody. b Densitometry analysis of the results from the western blots is shown, where the data are normalized against SMA expression & are expressed as the mean \pm standard error. Quantitative results represent the average of three independent experiments. *** $p < 0.001$ Image collected & cropped by CiteAb from the following publication (<http://molecularautism.biomedcentral.com/articles/10.1186/s13229-016-0110-z>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Western Blot: Claudin-12 Antibody [NBP1-87450] - Increased CLDN-5 & decreased CLDN-12 expression in the cortex of ASD subjects. a Brain tissues were lysed & immunoblotted with anti-claudin-5, anti-claudin-12, SMA or actin antibody. b Densitometry analysis of the results from the western blots is shown, where the data are normalized against SMA expression & are expressed as the mean \pm standard error. Quantitative results represent the average of three independent experiments. * $p < 0.05$; **** $p < 0.0001$ Image collected & cropped by CiteAb from the following publication (<http://molecularautism.biomedcentral.com/articles/10.1186/s13229-016-0110-z>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Zhang Y, Qiao Z, Yu J et Al. Effects of Dietary Colostrum Basic Protein on Bone Growth and Calcium Absorption in Mice Nutrients 2024-02-27 [PMID: 38474792]

Fiorentino M, Sapone A, Senger S et al. Blood-brain barrier and intestinal epithelial barrier alterations in autism spectrum disorders Mol Autism. 2016-11-28 [PMID: 27957319] (WB, Human)

GaffneY-Stomberg E, Marszewski P, MacArthur M et al. Paracellular calcium flux across Caco-2 cell monolayers: Effects of individual amino acids. J. Nutr. Biochem. 2018-07-05 [PMID: 29986305] (WB, 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 NBP1-87450

NBP1-87450PEP	Claudin-12 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP1-87450

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

