

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.

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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	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

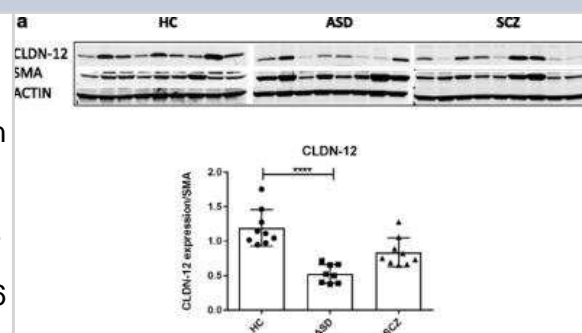
Description	Novus Biologicals Rabbit Claudin-12 Antibody - BSA Free (NBP1-87450) is a polyclonal antibody validated for use in IHC and WB. Anti-Claudin-12 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	9069
Gene Symbol	CLDN12
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: SLPSPFWQPLYSHPPSMHTYSQPYSARSRLSAIEIDIPVVSHTT

Product Application Details

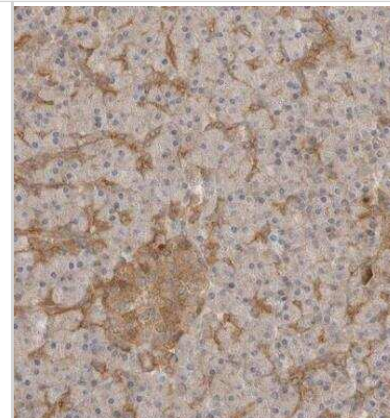
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	WB reported in scientific literature (PMID: 29986305). For IHC-Paraffin, HIER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

Images

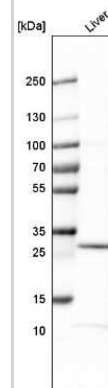
Western Blot: Claudin-12 Antibody [NBP1-87450] - Increased CLDN-5 and decreased CLDN-12 expression in the cortex of ASD subjects. a Brain tissues were lysed and immunoblotted with anti-claudin-12, SMA or actin antibody. b Densitometry analysis of the results from the western blots is shown, where the 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.



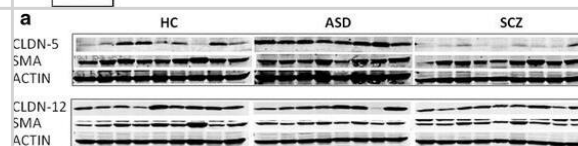
Immunohistochemistry-Paraffin: Claudin-12 Antibody [NBP1-87450] - Staining of human pancreas shows moderate cytoplasmic and membranous positivity in exocrine glandular cells along with moderate cytoplasmic staining in islets of Langerhans



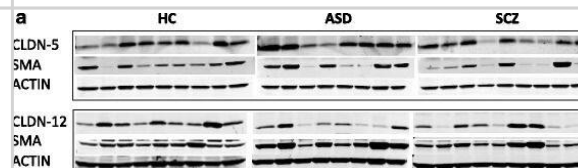
Western Blot: Claudin-12 Antibody [NBP1-87450] - Analysis in human liver tissue.



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)





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Products Related to NBP1-87450

NBP1-87450PEP	Claudin-12 Recombinant Protein Antigen
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.

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