

Product Datasheet

Tight Junction Protein 2 Antibody - BSA Free NBP1-86850

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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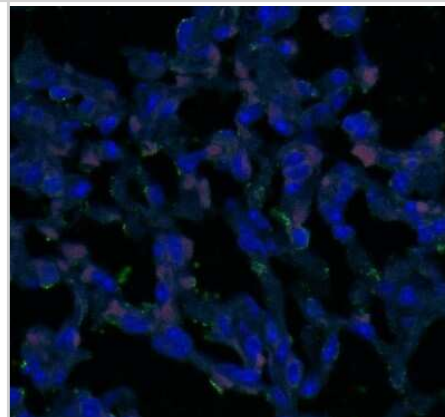


NBP1-86850**Tight Junction Protein 2 Antibody - BSA Free**

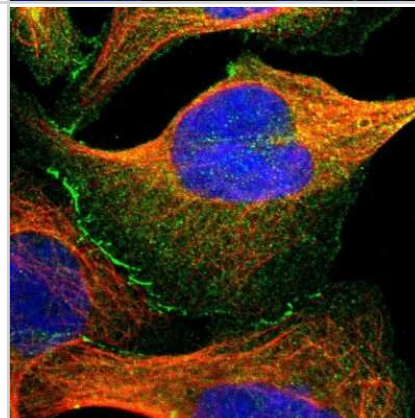
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Description	Novus Biologicals Rabbit Tight Junction Protein 2 Antibody - BSA Free (NBP1-86850) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-Tight Junction Protein 2 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	9414
Gene Symbol	TJP2
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 28420508) and a verified customer review.
Marker	Intercellular Junctions Marker
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: IGVLLMKSRANEEYGLRLGSQLFKEMTRTGLATKDGNLHEGDIILKINGTVTEN MSLTDARKLIEKSRGKLQLVLRDSQQTLINIPSLNDSSEIEDISEIESNRSFSP EERRHQYSDYDYHSSSEKLERPSSREDTPSRLSRMG
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/mL, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25 - 2 ug/mL, Immunoprecipitation Validated from a verified customer review, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

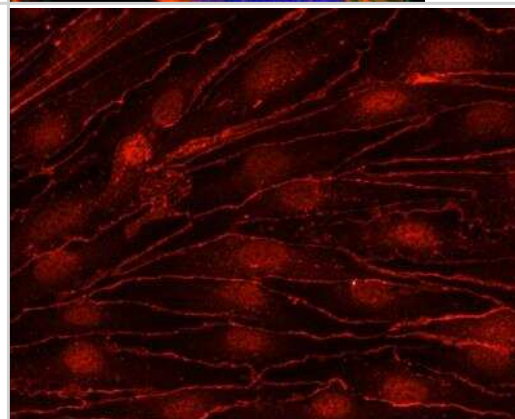
Immunocytochemistry/Immunofluorescence: Tight Junction Protein 2 Antibody [NBP1-86850] - Green: CD31 Red: Tight Junction Protein 2 Blue: Nuclei. Lung frozen section was blocked and stained with TJP-2 at 1:100 dilution for a hour. A secondary Alexa 555-conjugated goat anti-rabbit antibody was used for labeling. Section was also co-stained with CD31 antibody in conjunction with an Alexa 488-conjugated antibody. Nuclei was revealed by DAPU staining. Image submitted by a verified customer review.



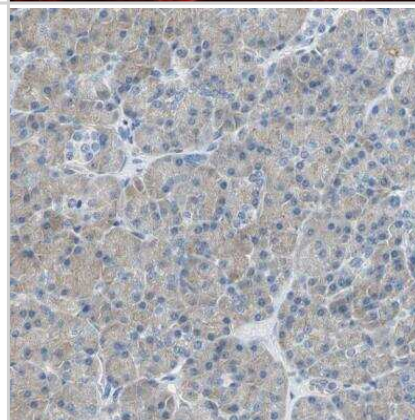
Immunocytochemistry/Immunofluorescence: Tight Junction Protein 2 Antibody [NBP1-86850] - Staining of human cell line U-2 OS shows positivity in plasma membrane, cytoplasm and cell junctions. Antibody staining is shown in green.



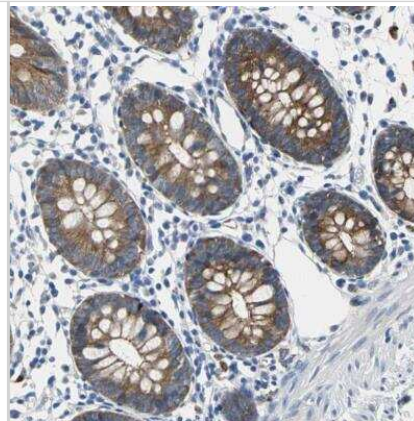
Immunocytochemistry/Immunofluorescence: Tight Junction Protein 2 Antibody [NBP1-86850] - Staining in primary mouse lung endothelial cells. Image submitted by a verified customer review.



Immunohistochemistry-Paraffin: Tight Junction Protein 2 Antibody [NBP1-86850] - Staining of human pancreas shows weak cytoplasmic positivity in exocrine glandular cells.



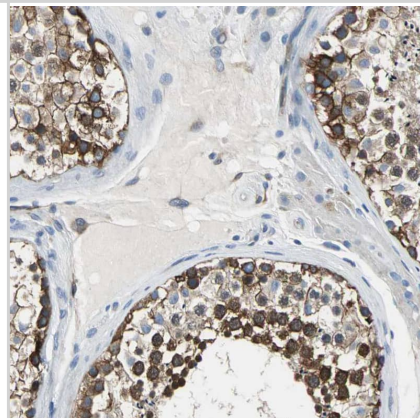
Immunohistochemistry-Paraffin: Tight Junction Protein 2 Antibody [NBP1-86850] - Staining of human colon shows moderate cytoplasmic and membranous positivity in glandular cells.



Immunohistochemistry-Paraffin: Tight Junction Protein 2 Antibody [NBP1-86850] - Staining of human cerebral cortex shows strong cytoplasmic positivity in glial cells.



Staining of human testis shows strong membranous and cytoplasmic positivity in cells in seminiferous ducts.

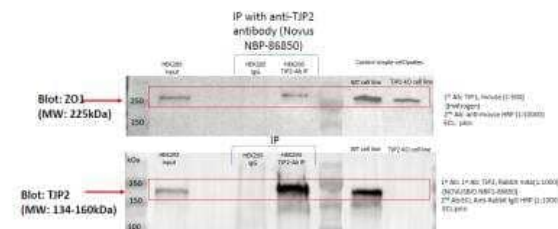


Western Blot: Tight Junction Protein 2 Antibody [NBP1-86850] - Primary mouse lung endothelial cells treated with or without control IgG was blotted with the anti-TJP-2 antibody. Primary Antibody diluted 1:1000. Image submitted by a verified customer review.

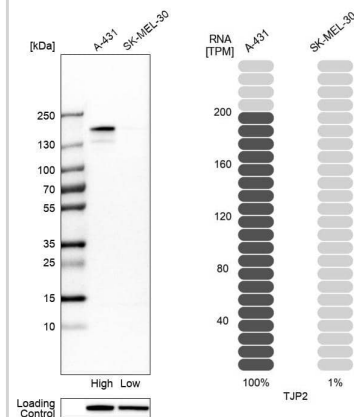


Immunoprecipitation: Tight Junction Protein 2 Antibody [NBP1-86850] - HEK293 cells were lysed and immunoprecipitated with anti-TJP2 ab (NBP1-86850) and Protein A/G PLUS-Agarose. The precipitates were separated by SDS-PAGE and blotted with anti-ZO1 antibody. IP image submitted by a verified customer review.

IP:HEK293 (known to express TJP1 and TJP2)
TJP2 is known to bind ZO1 (TJP1)



Analysis in human cell lines A-431 and SK-MEL-30 using Anti-TJP2 antibody. Corresponding TJP2 RNA-seq data are presented for the same cell lines. Loading control: Anti-HSP90B1.



Publications

Hsiao HM, Fernandez R, Tanaka S et al. Spleen-derived classical monocytes mediate lung ischemia-reperfusion injury through IL-1B. *J. Clin. Invest.* 2018-07-02 [PMID: 29781811] (WB, Mouse)

Chen YH, Chen CJ, Wang SJ et al. Downregulation of tight junction protein zonula occludens-2 and urothelium damage in a cyclophosphamide-induced mouse model of cystitis. *Taiwan J Obstet Gynecol* 2018-06-01 [PMID: 29880173] (IF/IHC, Mouse)

Chen HY, Chen CJ, Chen WC et al. A promising protein responsible for overactive bladder in ovariectomized mice. *Taiwan J Obstet Gynecol.* 2017-04-01 [PMID: 28420508] (IF/IHC, Mouse)

Gonzalez-Andrades M, Garzon I, Gascon MI et al. Sequential development of intercellular junctions in bioengineered human corneas. *J Tissue Eng Regen Med* 2009-08-01 [PMID: 19415764]



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Products Related to NBP1-86850

NBP1-86850PEP	Tight Junction Protein 2 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.

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