

Product Datasheet

Claudin-5 Antibody (JM11-22)

NBP2-66783

Unit Size: 100 ul

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

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NBP2-66783**Claudin-5 Antibody (JM11-22)**

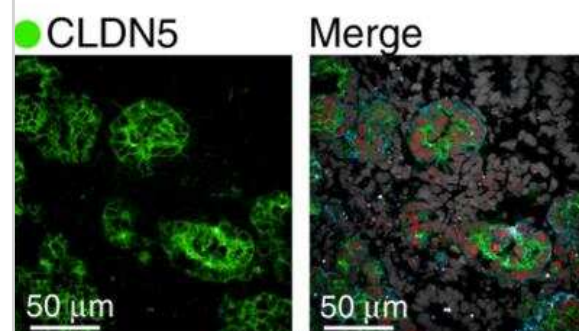
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JM11-22
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description	
Host	Rabbit
Gene Symbol	CLDN5
Species	Human
Immunogen	Synthetic peptide within Human Claudin-5 aa 191-214 / 218. (SwissProt: O00501 Human)

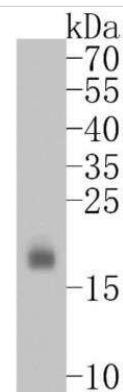
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:2000, Immunohistochemistry, Immunohistochemistry-Paraffin 1:50-1:200

Images

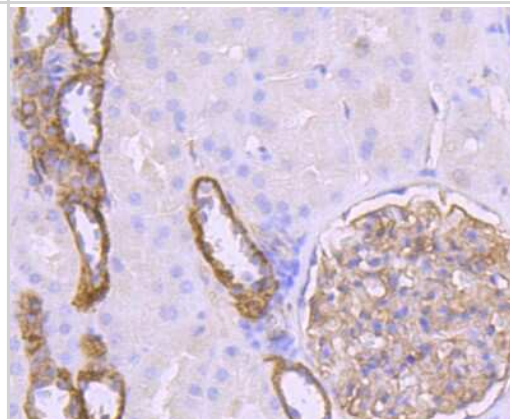
Immunohistochemistry: Claudin-5 Antibody (JM11-22) [NBP2-66783] - IF staining of D15 kidney organoid (N2 line, ML protocol) for CLDN5 as a marker of early podocyte differentiation derived from the single-cell data. Additional canonical podocyte markers include NPHS1 (blue), WT1 (red) and DAPI (grey) staining. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41467-019-13382-0>) licensed under a CC-BY license.



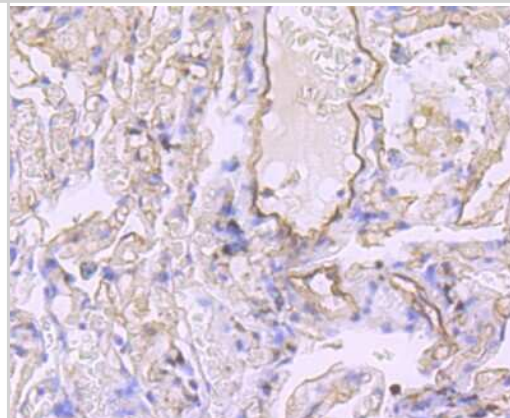
Western Blot: Claudin-5 Antibody (JM11-22) [NBP2-66783] - Analysis of Claudin 5 on human lung tissue lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature.



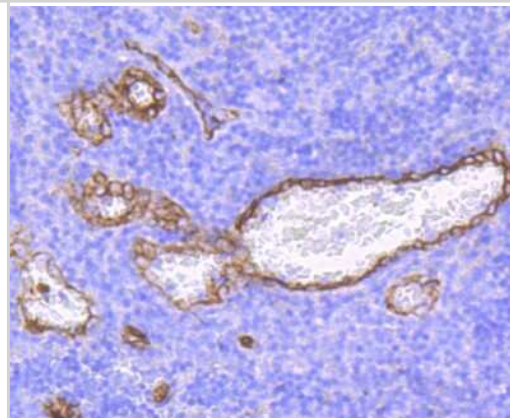
Immunohistochemistry-Paraffin: Claudin-5 Antibody (JM11-22) [NBP2-66783] - Analysis of paraffin-embedded human kidney tissue using anti-Claudin 5 antibody. Counter stained with hematoxylin.



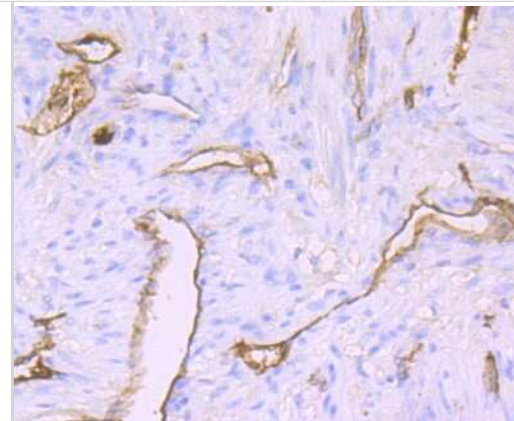
Immunohistochemistry-Paraffin: Claudin-5 Antibody (JM11-22) [NBP2-66783] - Analysis of paraffin-embedded human lung tissue using anti-Claudin 5 antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Claudin-5 Antibody (JM11-22) [NBP2-66783] - Analysis of paraffin-embedded human tonsil tissue using anti-Claudin 5 antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Claudin-5 Antibody (JM11-22) [NBP2-66783] - Analysis of paraffin-embedded human uterus tissue using anti-Claudin 5 antibody. Counter stained with hematoxylin.



Publications

Subramanian A, Sidhom EH, Emani M et al. Single cell census of human kidney organoids shows reproducibility and diminished off-target cells after transplantation Nat Commun 2019-11-29 [PMID: 31784515] (IF/IHC, Human)



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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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