

Product Datasheet

Laminin alpha 4 Antibody (CL3183) - BSA Free NBP2-42392

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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NBP2-42392

Laminin alpha 4 Antibody (CL3183) - 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	Monoclonal
Clone	CL3183
Preservative	0.02% Sodium Azide
Isotype	IgG2b
Purity	Protein A purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

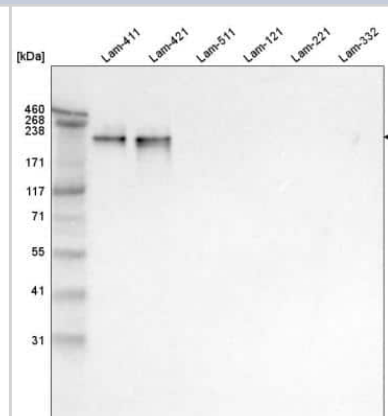
Host	Mouse
Gene ID	3910
Gene Symbol	LAMA4
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions
Immunogen	This antibody was developed using a recombinant protein derived from Q16363, with the exact immunogen sequence remaining proprietary.

Product Application Details

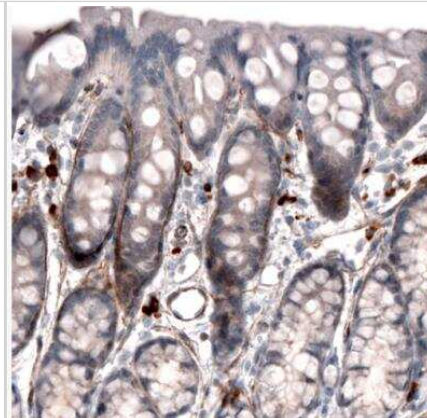
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200-1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

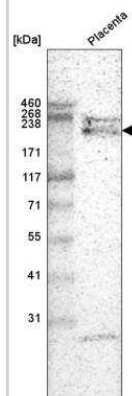
Western Blot: Laminin alpha 4 Antibody (CL3183) [NBP2-42392] - Analysis of purified human recombinant Laminin-411, Laminin-421, Laminin-511, Laminin-121, Laminin-221 and Laminin-332.



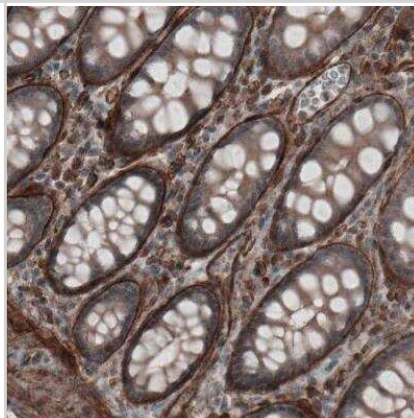
Immunohistochemistry-Paraffin: Laminin alpha 4 Antibody (CL3183) [NBP2-42392] - Staining of rat rectum shows immunoreactivity in the basement membrane of glandular epithelium.



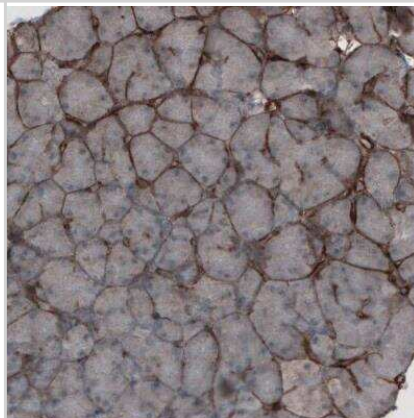
Western Blot: Laminin alpha 4 Antibody (CL3183) [NBP2-42392] - Analysis in human placenta tissue.



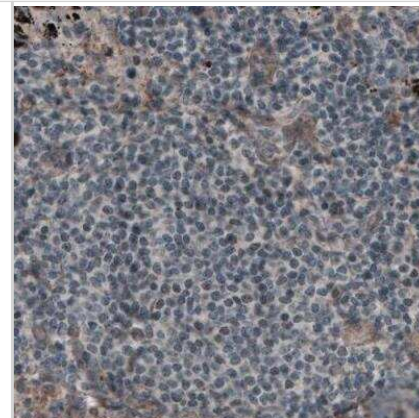
Immunohistochemistry-Paraffin: Laminin alpha 4 Antibody (CL3183) [NBP2-42392] - Staining of human colon shows strong immunoreactivity in basement membrane of glandular epithelium.



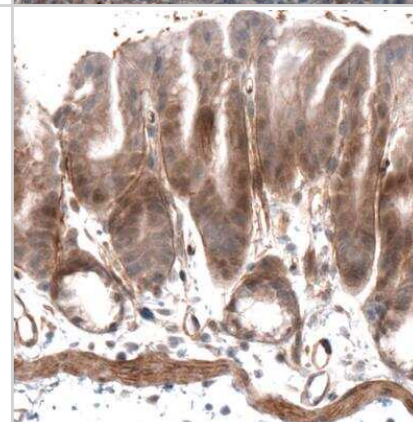
Immunohistochemistry-Paraffin: Laminin alpha 4 Antibody (CL3183) [NBP2-42392] - Staining of human pancreas shows strong immunoreactivity in basement membrane of glandular epithelium.



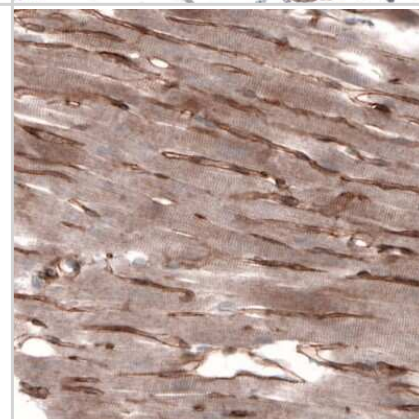
Immunohistochemistry-Paraffin: Laminin alpha 4 Antibody (CL3183) [NBP2-42392] - Staining of human lymph node shows absence of immunoreactivity in lymphoid tissue (negative control).



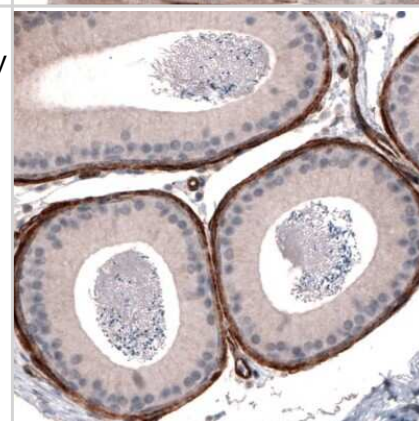
Immunohistochemistry-Paraffin: Laminin alpha 4 Antibody (CL3183) [NBP2-42392] - Staining of mouse stomach shows positivity in the basement membrane of glandular epithelium.



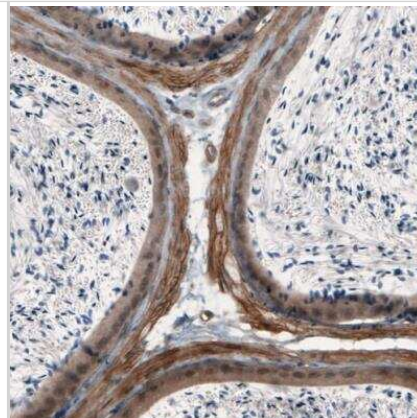
Immunohistochemistry-Paraffin: Laminin alpha 4 Antibody (CL3183) [NBP2-42392] - Staining of rat heart muscle shows membranous positivity in cardiomyocytes.



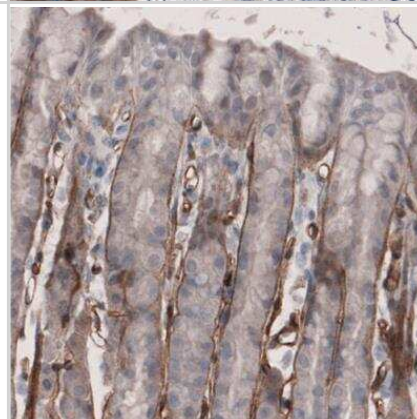
Immunohistochemistry-Paraffin: Laminin alpha 4 Antibody (CL3183) [NBP2-42392] - Staining of rat epididymis shows strong immunoreactivity in lamina propria.



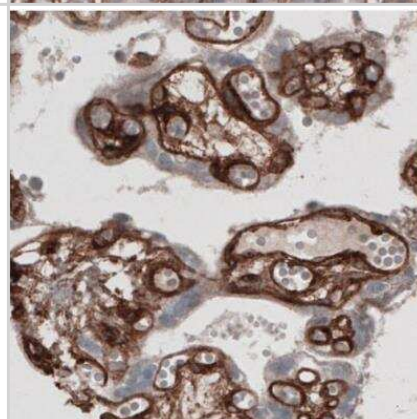
Immunohistochemistry-Paraffin: Laminin alpha 4 Antibody (CL3183) [NBP2-42392] - Staining of mouse epididymis shows immunoreactivity in smooth muscle in the lamina propria.



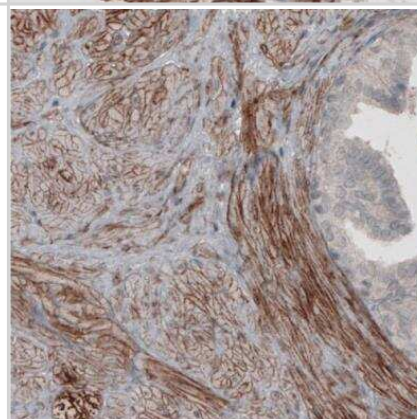
Immunohistochemistry-Paraffin: Laminin alpha 4 Antibody (CL3183) [NBP2-42392] - Staining of rat stomach shows immunoreactivity in the basement membrane of glandular epithelium.



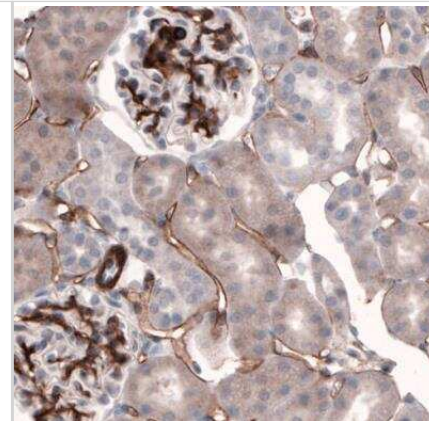
Immunohistochemistry-Paraffin: Laminin alpha 4 Antibody (CL3183) [NBP2-42392] - Staining of human placenta shows strong positivity in basement membrane and endothelium.



Immunohistochemistry-Paraffin: Laminin alpha 4 Antibody (CL3183) [NBP2-42392] - Staining of human prostate shows moderate membranous positivity in smooth muscle cells.



Immunohistochemistry-Paraffin: Laminin alpha 4 Antibody (CL3183) [NBP2-42392] - Staining of rat kidney shows basement membrane immunoreactivity in renal tubules and glomeruli.



Publications

Caporarello N, Lee J, Pham TX et al. Dysfunctional ERG signaling drives pulmonary vascular aging and persistent fibrosis Nature communications 2022-07-25 [PMID: 35879310] (IHC-P, Mouse)



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Products Related to NBP2-42392

NBP2-42392PEP	Laminin alpha 4 Recombinant Protein Antigen
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)

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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