

Product Datasheet

Integrin beta 4/CD104 Antibody - BSA Free NBP2-38297

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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NBP2-38297

Integrin beta 4/CD104 Antibody - BSA Free

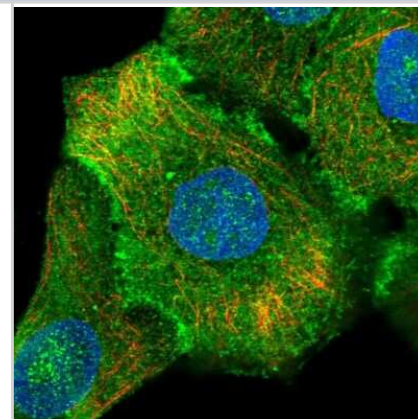
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	3691
Gene Symbol	ITGB4
Species	Human, Rat
Reactivity Notes	Use in Rat reported in scientific literature (PMID:34971784) .
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: MKKVLVDNPKNRMLLIENLRESQPYRYTVKARNGAGWGPEREAIINLATQPKR PMSIIPDIPVDAQSGEDYDSFLMYSDDVLR

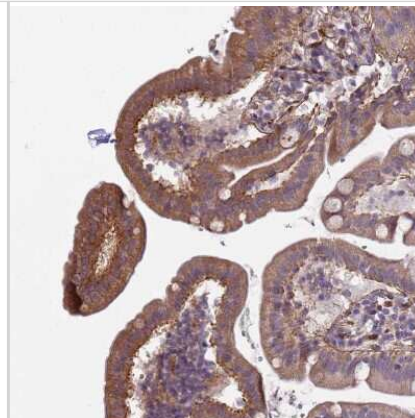
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

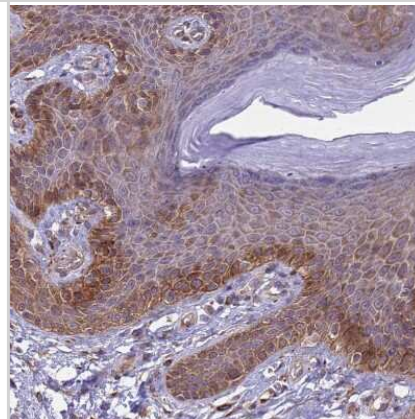
Immunocytochemistry/Immunofluorescence: Integrin beta 4/CD104 Antibody [NBP2-38297] - Staining of human cell line HaCaT shows localization to nucleus, plasma membrane & cell junctions. Antibody staining is shown in green.



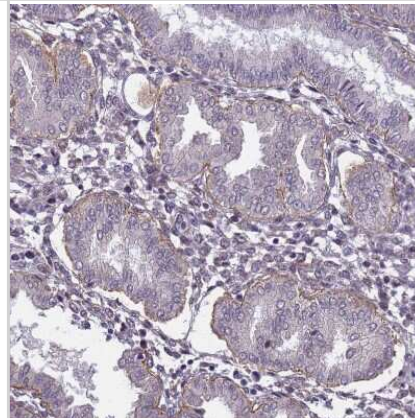
Immunohistochemistry-Paraffin: Integrin beta 4/CD104 Antibody [NBP2-38297] - Staining of human duodenum shows moderate to strong membranous positivity in glandular cells.



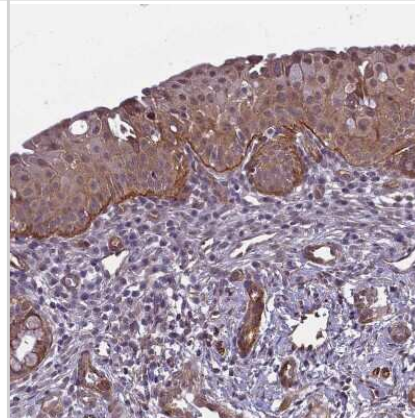
Immunohistochemistry-Paraffin: Integrin beta 4/CD104 Antibody [NBP2-38297] - Staining of human skin shows moderate to strong membranous positivity in keratinocytes.



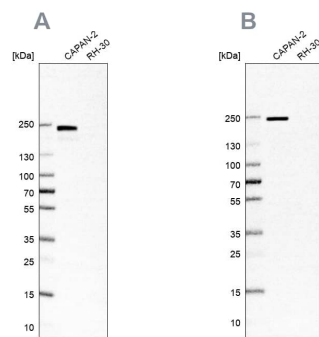
Immunohistochemistry-Paraffin: Integrin beta 4/CD104 Antibody [NBP2-38297] - Staining of human endometrium shows moderate to strong membranous positivity in glandular cells.



Immunohistochemistry-Paraffin: Integrin beta 4/CD104 Antibody [NBP2-38297] - Staining of human cervix, uterine shows moderate to strong membranous positivity in squamous epithelial cells.



Analysis using NBP2-38297 (A) shows similar pattern to independent antibody NBP2-38298 (B).



Publications

Lu Z, Zhong A, Liu H et al. Dissecting the genetic and microenvironmental factors of gastric tumorigenesis in mice *Cell reports* 2022-10-18 [PMID: 36261019] (ICC/IF, Mouse)

Fischer NG, Kobe AC, Dai J et al. Tapping basement membrane motifs: Oral junctional epithelium for surface-mediated soft tissue attachment to prevent failure of percutaneous devices *Acta biomaterialia* 2021-12-29 [PMID: 34971784] (IF/IHC, Rat)



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Products Related to NBP2-38297

NBP2-38297PEP	Integrin beta 4/CD104 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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