

# 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.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-38297](http://www.novusbio.com/NBP2-38297)

Updated 1/22/2026 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-38297](http://www.novusbio.com/reviews/destination/NBP2-38297)



**NBP2-38297**

Integrin beta 4/CD104 Antibody - BSA Free

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

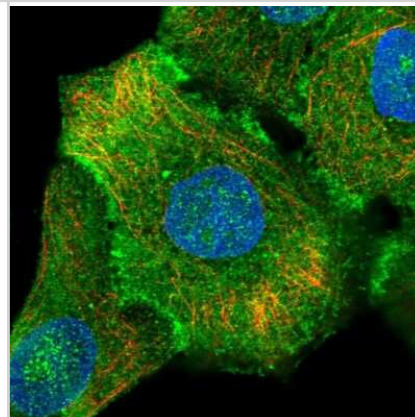
Product Description	
<b>Description</b>	Novus Biologicals Rabbit Integrin beta 4/CD104 Antibody - BSA Free (NBP2-38297) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Integrin beta 4/CD104 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	3691
<b>Gene Symbol</b>	ITGB4
<b>Species</b>	Human, Rat
<b>Reactivity Notes</b>	Use in Rat reported in scientific literature (PMID:34971784) .
<b>Immunogen</b>	This antibody was developed against a recombinant protein corresponding to amino acids: MKKVLVDNPKNRMLLIENLRESQPYRYTVKARNGAGWGPEREAIINLATQPKR PMSIPIIPDIPVDAQSGEDYDSFLMYSDDVLR

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	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
<b>Application Notes</b>	IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

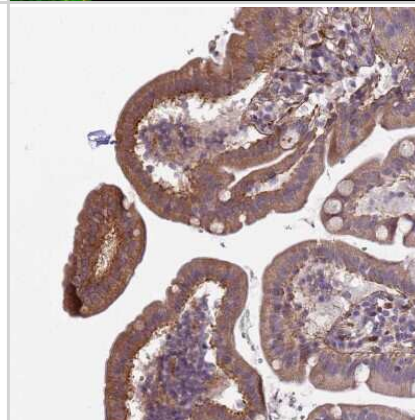


## Images

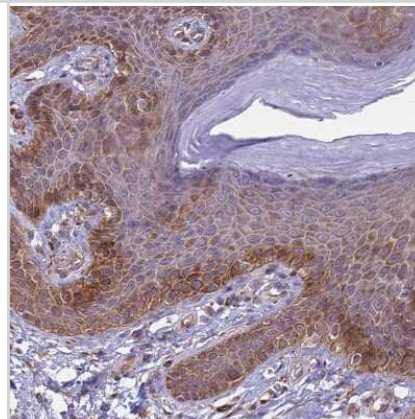
Immunocytochemistry/Immunofluorescence: Integrin beta 4/CD104 Antibody [NBP2-38297] - Staining of human cell line HaCaT shows localization to nucleus, plasma membrane & cell junctions. Antibody staining is shown in green.



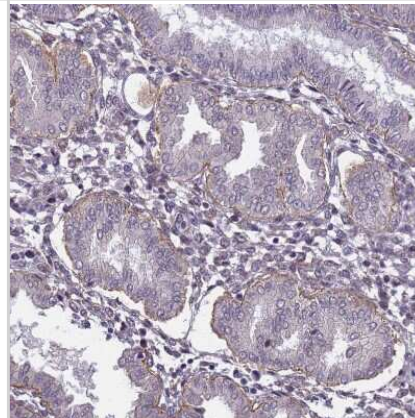
Immunohistochemistry-Paraffin: Integrin beta 4/CD104 Antibody [NBP2-38297] - Staining of human duodenum shows moderate to strong membranous positivity in glandular cells.



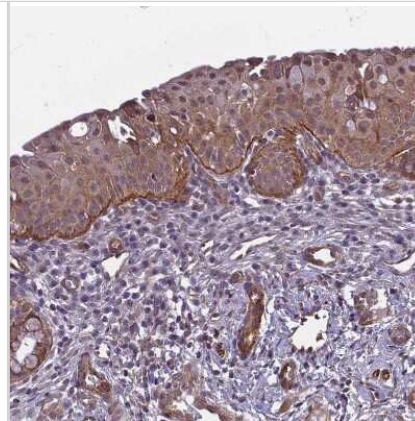
Immunohistochemistry-Paraffin: Integrin beta 4/CD104 Antibody [NBP2-38297] - Staining of human skin shows moderate to strong membranous positivity in keratinocytes.



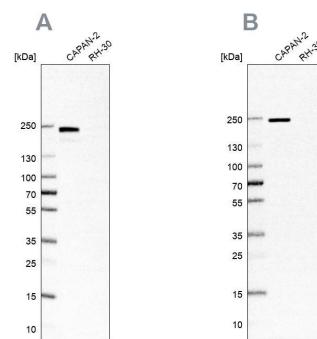
Immunohistochemistry-Paraffin: Integrin beta 4/CD104 Antibody [NBP2-38297] - Staining of human endometrium shows moderate to strong membranous positivity in glandular cells.



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)



### Novus Biologicals USA

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### Bio-Techne Canada

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### Bio-Techne Ltd

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### General Contact Information

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### Products Related to NBP2-38297

---

NBP2-38297PEP	Integrin beta 4/CD104 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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-38297](http://www.novusbio.com/reviews/submit/NBP2-38297)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

