

# Product Datasheet

## CD44 Antibody - BSA Free NBP1-84578

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)

**Reviews: 1 Publications: 8**

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP1-84578](http://www.novusbio.com/NBP1-84578)

Updated 12/2/2025 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/NBP1-84578](http://www.novusbio.com/reviews/destination/NBP1-84578)



**NBP1-84578**

CD44 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

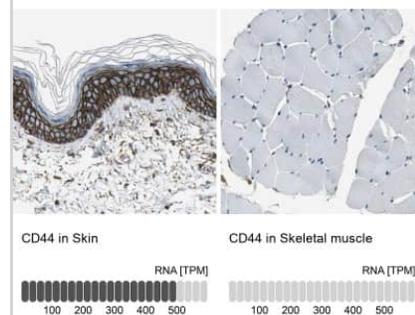
Product Description	
<b>Description</b>	Novus Biologicals Rabbit CD44 Antibody - BSA Free (NBP1-84578) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-CD44 Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	960
<b>Gene Symbol</b>	CD44
<b>Species</b>	Human
<b>Marker</b>	Cell Membrane Marker
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: DDVSSGSSSERSSTSGGYIFYTFSTVHPIPEDSPWITDSTDRIPTATLMSTSAT ATETATKRQETWDWFSWLFLPSESKNHLHTTTQMAGTSSNTISAGWEPNEEN EDERDRHLSFSGSGIDDEDFISSTISTTPR

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 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.



## Images

Immunohistochemistry-Paraffin: CD44 Antibody [NBP1-84578] - Staining in human skin and skeletal muscle tissues . Corresponding CD44 RNA-seq data are presented for the same tissues.



Immunocytochemistry/Immunofluorescence: CD44 Antibody [NBP1-84578] - Staining of human cell line U-251 MG shows localization to plasma membrane. Antibody staining is shown in green.



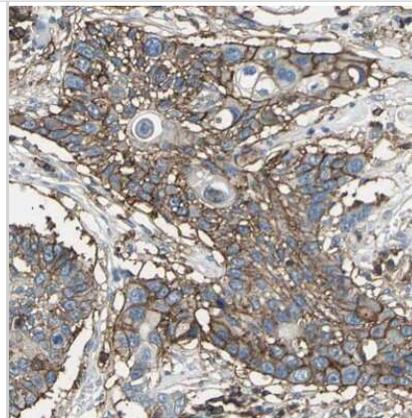
Immunohistochemistry-Paraffin: CD44 Antibody [NBP1-84578] - Staining of human lymph node shows strong positivity in plasma membrane in non-germinal center cells.



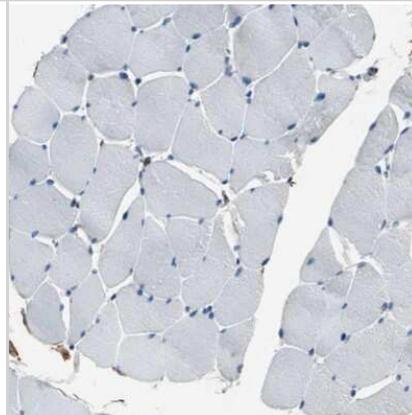
Immunohistochemistry-Paraffin: CD44 Antibody [NBP1-84578] - Staining of human skin shows strong membranous positivity in squamous epithelial cells.



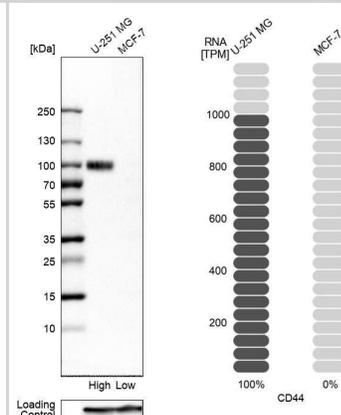
Immunohistochemistry-Paraffin: CD44 Antibody [NBP1-84578] - Staining of human squamous cell lung carcinoma shows strong membranous positivity in tumor cells.



Immunohistochemistry-Paraffin: CD44 Antibody [NBP1-84578] - Staining of human skeletal muscle shows no positivity in striated muscle fibers as expected.



Analysis in human cell lines U-251MG and MCF-7 using Anti-CD44 antibody. Corresponding CD44 RNA-seq data are presented for the same cell lines. Loading control: Anti-GAPDH.



## Publications

Helen Schneck, Berthold Gierke, Frauke Uppenkamp, Bianca Behrens, Dieter Niederacher, Nikolas H. Stoecklein et al. EpCAM-Independent Enrichment of Circulating Tumor Cells in Metastatic Breast Cancer PLOS ONE 2015-12-22 [PMID: 26695635]

Helen Schneck, Berthold Gierke, Frauke Uppenkamp et al. EpCAM-Independent Enrichment of Circulating Tumor Cells in Metastatic Breast Cancer. PLOS ONE 2015-12-22 [PMID: 26859839] (ICC/IF, Human)

Ran Ma, Irma Fredriksson, Govindasamy-Muralidharan Karthik et al. Superficial scrapings from breast tumors is a source for biobanking and research purposes. Laboratory Investigation 2014-01-01 [PMID: 24776644] (ICC/IF, Human)

Bacelli I, Schneeweiss A, Riethdorf S et al. Identification of a population of blood circulating tumor cells from breast cancer patients that initiates metastasis in a xenograft assay. Nat Biotechnol 2013-06-01 [PMID: 23609047]

Petit V, Massonnet G, Maciorowski Z et al. Optimization of tumor xenograft dissociation for the profiling of cell surface markers and nutrient transporters. Lab Invest 2013-05-01 [PMID: 23459372]

Vazquez-Martin A, Oliveras-Ferraro C, Cufi S et al. Metformin regulates breast cancer stem cell ontogeny by transcriptional regulation of the epithelial-mesenchymal transition (EMT) status. Cell Cycle 2010-09-15 [PMID: 20890129]

Twarock S, Rock K, Sarbia M et al. Synthesis of hyaluronan in oesophageal cancer cells is uncoupled from the prostaglandin-cAMP pathway. Br J Pharmacol 2009-05-01 [PMID: 19338584]

Asplund A, Gry Bjorklund M, Sundquist C et al. Expression profiling of microdissected cell populations selected from basal cells in normal epidermis and basal cell carcinoma. Br J Dermatol 2008-03-01 [PMID: 18241271]





### **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 NBP1-84578**

---

NBP1-84578PEP	CD44 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/NBP1-84578](http://www.novusbio.com/reviews/submit/NBP1-84578)

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

