

# Product Datasheet

## Cytokeratin 8 Antibody (K8/383) - Azide and BSA Free NBP2-34656-0.1mg

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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



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

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-34656](http://www.novusbio.com/NBP2-34656)

Updated 4/13/2025 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/NBP2-34656](http://www.novusbio.com/reviews/destination/NBP2-34656)



**NBP2-34656-0.1mg**

Cytokeratin 8 Antibody (K8/383) - Azide and BSA Free

| Product Information     |   |
|-------------------------|---|
| Unit Size               | 0.1 mg  |
| Concentration           | 1.0 mg/ml                                       |
| Storage                 | Store at -20 to -80C. Avoid freeze-thaw cycles. |
| Clonality               | Monoclonal                                      |
| Clone                   | K8/383  |
| Preservative            | No Preservative                                 |
| Isotype                 | IgG1 Kappa                                      |
| Purity                  | Protein A or G purified                         |
| Buffer                  | 10 mM PBS                                       |
| Target Molecular Weight | 52.5 kDa  |

| Product Description     |  |
|-------------------------|--|
| Description             | 1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-34266).<br><br>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.  |
| Host                    | Mouse  |
| Gene ID                 | 3856   |
| Gene Symbol             | KRT8   |
| Species                 | Human  |
| Specificity/Sensitivity | Cytokeratin 8 (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). CK8 is primarily found in the non-squamous epithelia and is present in majority of adenocarcinomas and ductal carcinomas. It is absent in squamous cell carcinomas. Hepatocellular carcinomas are defined by the use of antibodies that recognize only cytokeratin 8 and 18. CK8 exists on several types of normal and neoplastic epithelia, including many ductal and glandular epithelia such as colon, stomach, small intestine, trachea, and esophagus as well as in transitional epithelium. Anti-CK8 does not react with skeletal muscle or nerve cells. Epithelioid sarcoma, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 and CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular ('ring-like, perinuclear' ) from ductal ('peripheral-predominant') carcinoma of the breast. |
| Immunogen               | Recombinant human full-length Cytokeratin 8 protein (Uniprot: P05787)  |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | Western Blot, Simple Western, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready   |
| Recommended Dilutions       | Western Blot 0.5-1.0ug/ml, Simple Western, Flow Cytometry 0.5-1ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2ug/ml, Immunohistochemistry-Paraffin 0.5-1.0ug/ml, CyTOF-ready |

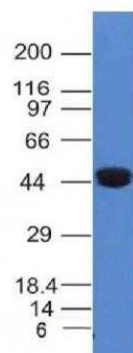


**Application Notes**

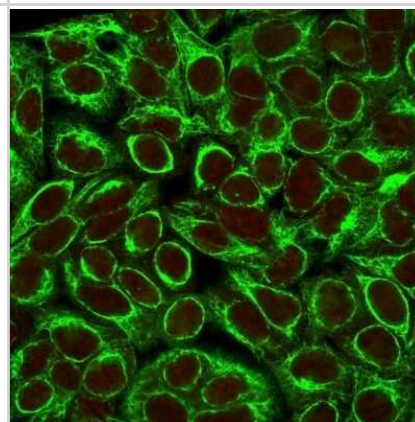
Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

**Images**

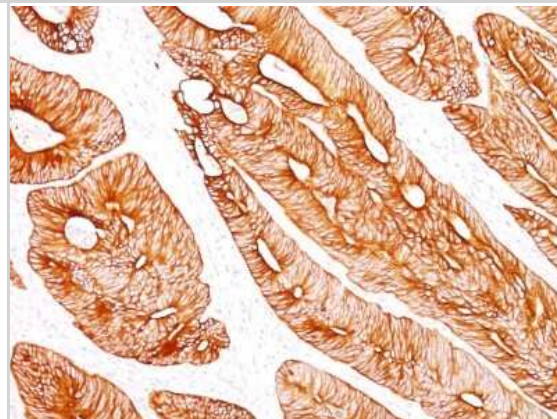
Western Blot: Cytokeratin 8 Antibody (K8/383) - Azide and BSA Free [NBP2-34656] - Western Blot Analysis of A431 cell Lysate using Cytokeratin 8 Monoclonal Antibody (K8/383).



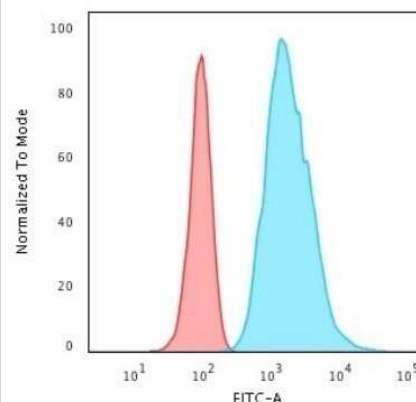
Immunocytochemistry/Immunofluorescence: Cytokeratin 8 Antibody (K8/383) - Azide and BSA Free [NBP2-34656] - Confocal immunofluorescence image of HeLa cells using Cytokeratin 8 Antibody (K8/383). Green (CF488) and Red Dot is used to label the nuclei Red.



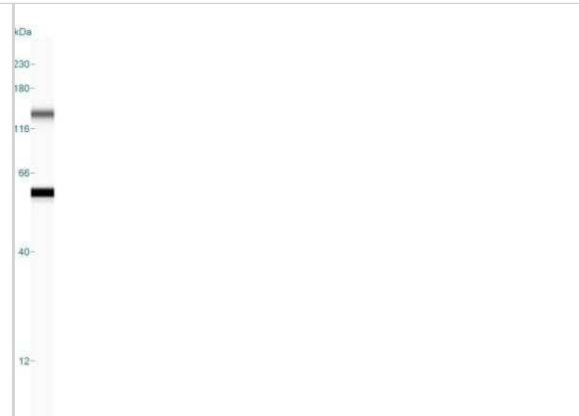
Immunohistochemistry-Paraffin: Cytokeratin 8 Antibody (K8/383) - Azide and BSA Free [NBP2-34656] - Formalin-fixed, paraffin-embedded human colon stained with Cytokeratin 8 MAb (K8/383).



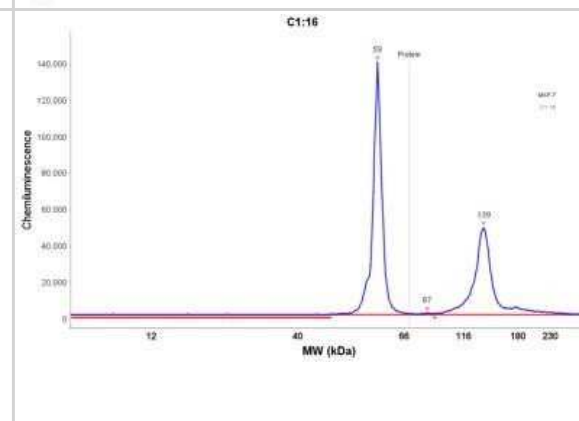
Flow Cytometry: Cytokeratin 8 Antibody (K8/383) - Azide and BSA Free [NBP2-34656] - Flow Cytometric Analysis of HeLa cells using Cytokeratin 8 Antibody (K8/383). followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Simple Western: Cytokeratin 8 Antibody (K8/383) - Azide and BSA Free [NBP2-34656] - Simple Western lane view shows a specific band for Cytokeratin 8 in 0.2 mg/ml of MCF-7 lysate(s). This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: Cytokeratin 8 Antibody (K8/383) - Azide and BSA Free [NBP2-34656] - Electropherogram image of the corresponding Simple Western lane. Cytokeratin 8 antibody was used at 10 ug/ml dilution of MCF-7 lysates(s) respectively.





### **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 NBP2-34656-0.1mg**

|                  |   |
|------------------|---|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |
| NBP2-23166       | Recombinant Human Cytokeratin 8 His Protein             |

### **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/NBP2-34656](http://www.novusbio.com/reviews/submit/NBP2-34656)

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

