

# Product Datasheet

## Cytokeratin 7/17 Antibody (C-46) - BSA Free NB500-352

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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

### Publications: 1

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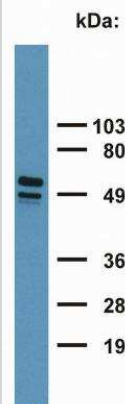


**NB500-352****Cytokeratin 7/17 Antibody (C-46) - BSA Free**

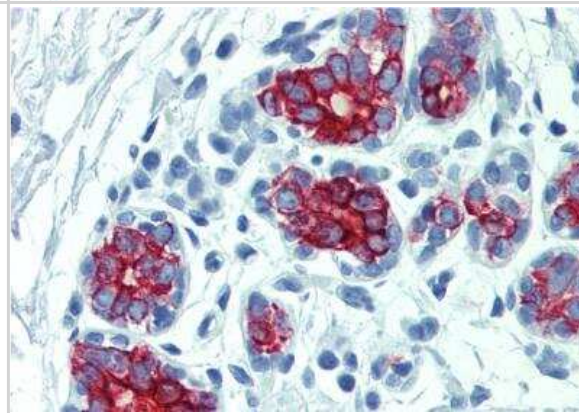
| <b>Product Information</b>         |  |
|------------------------------------|--|
| <b>Unit Size</b>                   | 0.1 mg   |
| <b>Concentration</b>               | 1.0 mg/ml  |
| <b>Storage</b>                     | Store at 4C. Do not freeze.  |
| <b>Clonality</b>                   | Monoclonal   |
| <b>Clone</b>                       | C-46   |
| <b>Preservative</b>                | 15mM Sodium Azide  |
| <b>Isotype</b>                     | IgG1   |
| <b>Purity</b>                      | Protein A purified   |
| <b>Buffer</b>                      | Phosphate buffered saline (PBS), pH 7.4  |
| <b>Target Molecular Weight</b>     | 46 kDa   |
| <b>Product Description</b>         |  |
| <b>Description</b>                 | Novus Biologicals Mouse Cytokeratin 7/17 Antibody (C-46) - BSA Free (NB500-352) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. Anti-Cytokeratin 7/17 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.                                    |
| <b>Host</b>                        | Mouse  |
| <b>Gene ID</b>                     | 3855   |
| <b>Gene Symbol</b>                 | KRT7   |
| <b>Species</b>                     | Human, Porcine, Bovine, Mouse (Negative), Rabbit (Negative), Rat (Negative)  |
| <b>Specificity/Sensitivity</b>     | The antibody C-46 reacts with Cytokeratin peptides 7 and 17 (54 and 46 kDa). Cytokeratins are a member of intermediate filaments subfamily represented in epithelial tissues.  |
| <b>Immunogen</b>                   | Cytoskeleton preparation of HeLa human cervix carcinoma cell line.   |
| <b>Product Application Details</b> |  |
| <b>Applications</b>                | Western Blot, Immunohistochemistry-Paraffin, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, CyTOF-ready   |
| <b>Recommended Dilutions</b>       | Western Blot 1-2 ug/ml, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:50, Immunohistochemistry-Paraffin 10 ug/ml, Flow (Intracellular), CyTOF-ready   |
| <b>Application Notes</b>           | Western Blot - Sample preparation: Lysis 1% lauryl maltoside for 1 hour, 5x10 sec. sonication; 5 min. in hot Laemmli buffer (reducing conditions.) Immunohistochemistry-Paraffin sections - Pretreatment: 0,1% pepsin, 30 min, 37C Incubation: 4C overnight Application note: chromogen DAB. This antibody is CyTOF ready. |

## Images

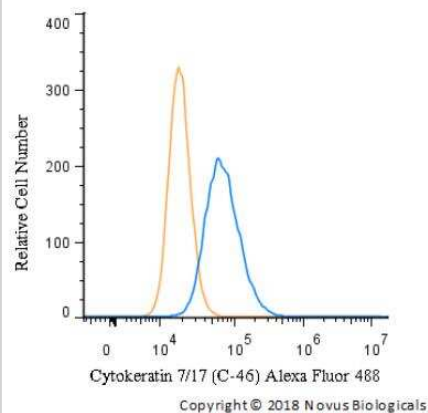
Western Blot: Cytokeratin 7/17 Antibody (C-46) [NB500-352] - Detection of Cytokeratin 7+17 in HeLa cell lysate with monoclonal antibody C-46.



Immunohistochemistry-Paraffin: Cytokeratin 7/17 Antibody (C-46) [NB500-352] - Staining of human breast (paraffin-embedded sections) with anti-cytokeratin 7+17 (C-46).



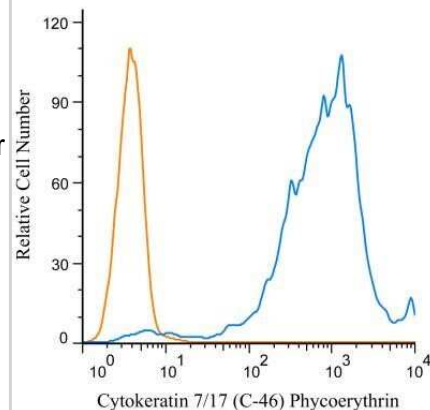
Flow (Intracellular): Cytokeratin 7/17 Antibody (C-46) [NB500-352] - An intracellular stain was performed on HeLa cells with Cytokeratin 7/17 (C-46) antibody NB500-352AF488 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 488.



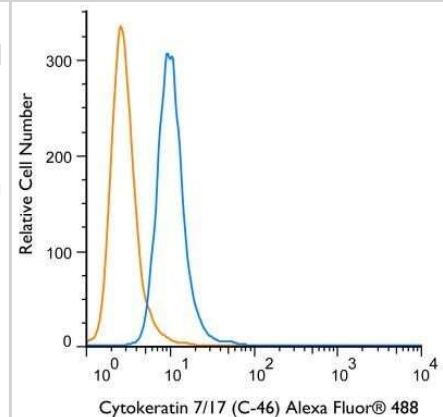
Immunohistochemistry: Cytokeratin 7/17 Antibody (C-46) [NB500-352] - Fig. 1. Immunohistochemistry staining of pancreas (paraffin-embedded sections) with anti-Cytokeratin 7/17 Antibody (C-46).



Flow Cytometry: Cytokeratin 7/17 Antibody (C-46) [NB500-352] - An intracellular stain was performed on HeLa cells with Cytokeratin 7/17 antibody (C-46) NB500-352PE (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeablized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Phycoerythrin.



Flow Cytometry: Cytokeratin 7/17 Antibody (C-46) [NB500-352] - Using the Alexa Fluor 488 direct conjugate An intracellular stain was performed on A549 cells with Cytokeratin 7/17 (C-46) antibody NB500-352AF488 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeablized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 488.



## Publications

Cheng, K S, Pan, R Et al. ALICE: a hybrid AI paradigm with enhanced connectivity and cybersecurity for a serendipitous encounter with circulating hybrid cells. Theranostics 2020-10-13 [PMID: 33042268] (IF/IHC, Human)



### **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 NB500-352**

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|                  |  |
|------------------|--|
| NBP2-33376H      | Blue Marker Antibody (6F4-F6) [HRP]                |
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]       |
| NB7539           | Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP] |
| NBP1-97005-0.5mg | Mouse IgG1 Isotype Control (MG1)                   |

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### **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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