

# Product Datasheet

## Cytokeratin 18 Antibody (C-04) - BSA Free NB500-306

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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### Publications: 4

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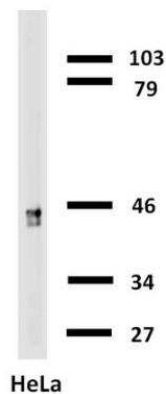


**NB500-306****Cytokeratin 18 Antibody (C-04) - BSA Free**

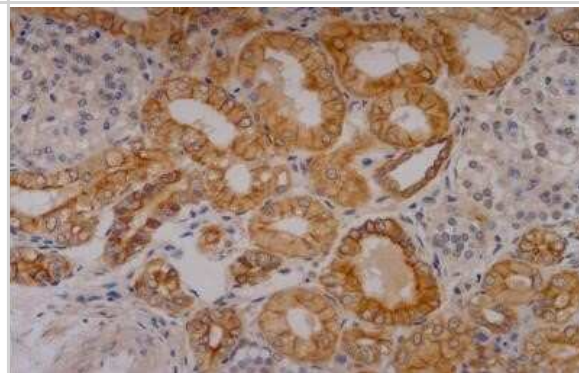
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	C-04
<b>Preservative</b>	15mM Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	Phosphate buffered saline (PBS), pH 7.4
<b>Target Molecular Weight</b>	45 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse Cytokeratin 18 Antibody (C-04) - BSA Free (NB500-306) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow, ICC/IF and IP. Anti-Cytokeratin 18 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	3875
<b>Gene Symbol</b>	KRT18
<b>Species</b>	Mammal
<b>Marker</b>	Epithelial Marker
<b>Specificity/Sensitivity</b>	The antibody C-04 reacts with Cytokeratin 18 (45 kDa), a member of intermediate filaments subfamily represented in epithelial tissues.
<b>Immunogen</b>	Cytoskeleton preparation of epidermal carcinoma cell line A431.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 1-2 ug/ml, ELISA 1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:50, Immunohistochemistry-Paraffin 10 ug/ml, Flow (Intracellular) 1-4 ug/ml, CyTOF-ready
<b>Application Notes</b>	Predicted molecular weight: 45 kDa. Western Blot - Resuspend approx. 50 mil. cells in 1 ml cold Lysis buffer (1% laurylmaltoside in 20 mM Tris/Cl, 100 mM NaCl pH 8.2, 50 mM NaF including Protease inhibitor Cocktail). Incubate 60 min on ice. Centrifuge to remove cell debris. Mix lysate with non-reducing SDS-PAGE sample buffer. Application note: Non-reducing conditions. SDS-PAGE (10% separating gel) ELISA - The antibody C-04 has been tested as the capture antibody in a sandwich ELISA for analysis of Cytokeratin 18 in combination with antibody DA-7 and with the antibody DC-10. This antibody is CyTOF ready.

## Images

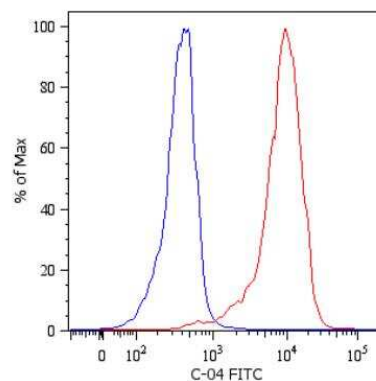
Western Blot: Cytokeratin 18 Antibody (C-04) [NB500-306] - Analysis of cytokeratin 18 in HeLa cells with anti-cytokeratin 18 (C-04) biotin.



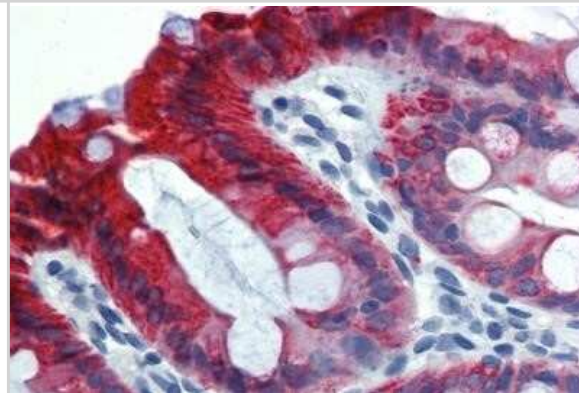
Immunohistochemistry-Paraffin: Cytokeratin 18 Antibody (C-04) [NB500-306] - Immunohistochemistry staining of human kidney (paraffin-embedded sections) with anti-cytokeratin 18 (C-04). Image using the Biotin format of this antibody.



Flow Cytometry: Cytokeratin 18 Antibody (C-04) [NB500-306] - Intracellular flow cytometry analysis of cytokeratin expression in HeLa human cervix carcinoma cell line using anti-cytokeratin 18 (C-04) FITC.



Immunohistochemistry-Paraffin: Cytokeratin 18 Antibody (C-04) [NB500-306] - Immunohistochemistry staining of human colon (paraffin-embedded sections) with anti-cytokeratin 18 (C-04). Image using the Biotin format of this antibody.



## Publications

Yang KS, O'Shea A, Zelga P et al. Extracellular vesicle analysis of plasma allows differential diagnosis of atypical pancreatic serous cystadenoma *Scientific reports* 2023-07-06 [PMID: 37414831] (ELISA, Human)

Chen M, Pekosz A, Villano JS et al. Evolution of nasal and olfactory infection characteristics of SARS-CoV-2 variants *bioRxiv : the preprint server for biology* 2022-04-12 [PMID: 35441175] (IF/IHC)

Li Z, Wei M, Shen W et al. Sox2 regulates globose basal cell regeneration in the olfactory epithelium *International forum of allergy & rhinology* 2021-09-26 [PMID: 34569176]

Kaenel P, Antonijevic M, Richter S et al. Deregulated ephrin-B2 signaling in mammary epithelial cells alters the stem cell compartment and interferes with the epithelial differentiation pathway. *Int J Oncol.* 2012-02-01 [PMID: 22020958] (IHC-P, Mouse)





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### **Products Related to NB500-306**

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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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