

Product Datasheet

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

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

www.novusbio.com



technical@novusbio.com

Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB500-306

Updated 10/23/2024 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NB500-306

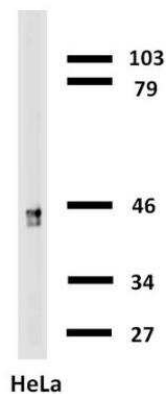


NB500-306**Cytokeratin 18 Antibody (C-04) - BSA Free**

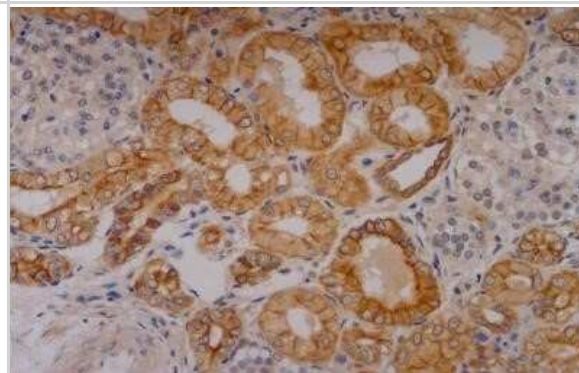
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	C-04
Preservative	0.9% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH 7.4)
Target Molecular Weight	45 kDa
Product Description	
Host	Mouse
Gene ID	3875
Gene Symbol	KRT18
Species	Human, Mouse, Mammal
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Marker	Epithelial Marker
Specificity/Sensitivity	The antibody C-04 reacts with Cytokeratin 18 (45 kDa), a member of intermediate filaments subfamily represented in epithelial tissues.
Immunogen	Cytoskeleton preparation of epidermal carcinoma cell line A431.
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-4 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
Application Notes	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

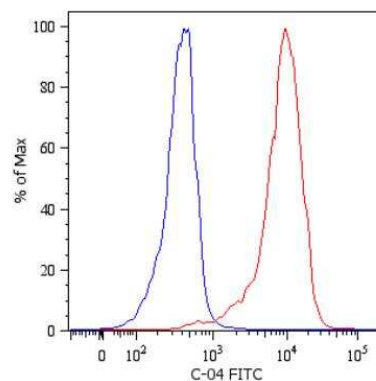
Western Blot: Cytokeratin 18 Antibody (C-04) [NB500-306] - Analysis of cytokeratin 18 in HeLa cells with anti-cytokeratin 18 (C-04) biotin.



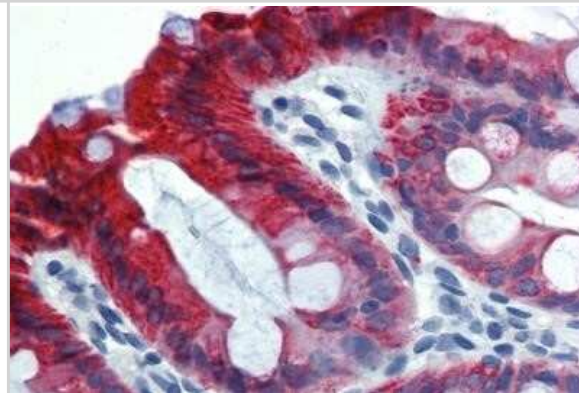
Immunohistochemistry-Paraffin: Cytokeratin 18 Antibody (C-04) [NB500-306] - Immunohistochemistry staining of human kidney (paraffin-embedded sections) with anti-cytokeratin 18 (C-04). Image using the Biotin format of this antibody.



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)





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 NB500-306

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB500-640	Cytokeratin 18 Antibody (C-04) [Biotin]

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

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB500-306

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

