

Product Datasheet

Cytokeratin 18 Antibody (C-04 (same as Ks18.04)) NBP2-44951-0.1mg

Unit Size: 0.1 mg

Store at 4C.

www.novusbio.com



technical@novusbio.com

Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-44951

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/NBP2-44951



NBP2-44951-0.1mg

Cytokeratin 18 Antibody (C-04 (same as Ks18.04))

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	C-04 (same as Ks18.04)
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	45 kDa

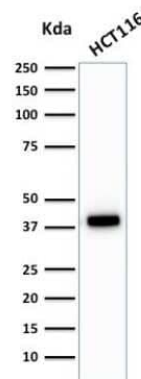
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP3-11485) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	3875
Gene Symbol	KRT18
Species	Human, Mouse, Rat, Porcine, Bovine, Canine, Equine, Feline, Goat, Hamster, Ferret, Monkey, Sheep, Chicken (Negative), Xenopus (Negative)
Reactivity Notes	Marmoset Monkey. Does not react with Chicken or Xenopus.
Specificity/Sensitivity	This monoclonal antibody reacts with a wide variety of simple epithelia. It does not react with stratified squamous epithelia. It reacts with epithelial tumors of the gastrointestinal tract, lung, breast, pancreas, ovary, and thyroid. Cytokeratin 18, which belongs to the type A (acidic) subfamily of low molecular weight keratins, exists in combination with cytokeratin 8. It was reported that tissues from gastrointestinal tract are positive for both cytokeratin 8 and 18 but do not contain cytokeratin 14. Tissues from gastrointestinal tract, respiratory tract and urogenital tract, as well as endocrine and exocrine tissues and mesothelial cells are positive for cytokeratin 18.
Immunogen	Cytoskeletal preparation extracted from the human vulvar squamous carcinoma cell line A431

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Immunofluorescence 1 - 2 ug/ml
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.

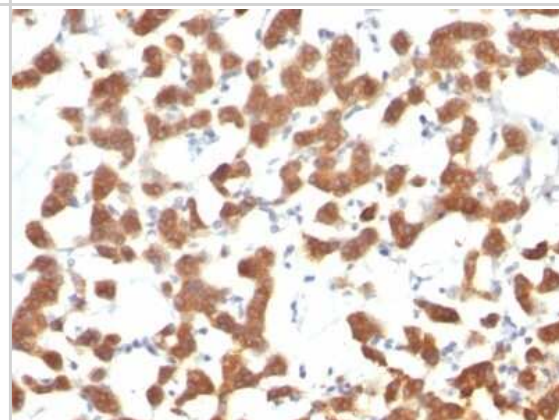


Images

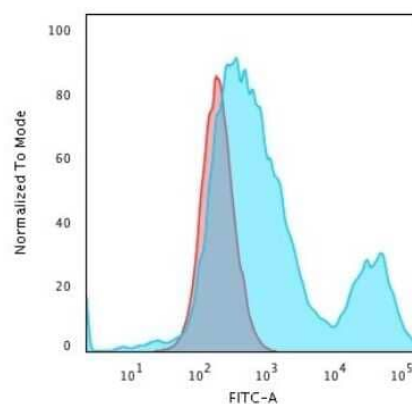
Western Blot: Cytokeratin 18 Antibody (C-04 (same as Ks18.04)) [NBP2-44951] - Western Blot Analysis of HCT116 cell lysate using Cytokeratin 18 Mouse Monoclonal Antibody (C-04).



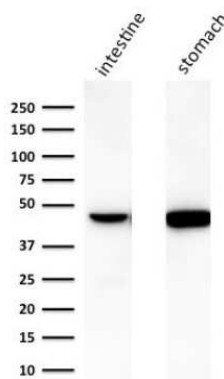
Immunohistochemistry-Paraffin: Cytokeratin 18 Antibody (C-04 (same as Ks18.04)) [NBP2-44951] - Human Thyroid Carcinoma stained with Cytokeratin 18 Monoclonal Antibody (C-04).



Flow Cytometry: Cytokeratin 18 Antibody (C-04 (same as Ks18.04)) [NBP2-44951] - Flow Cytometric Analysis of PFA-fixed HeLa cells using Cytokeratin 18 Antibody (C-04 (same as Ks18.04)) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Western Blot: Cytokeratin 18 Antibody (C-04 (same as Ks18.04)) [NBP2-44951] - Western Blot Analysis of human A) intestine and B) stomach lysate using Cytokeratin 18 Mouse Monoclonal Antibody (C-04).



Publications

Maldonado LAG, Nascimento CR, Rodrigues Fernandes NA et al. Influence of tumor cell-derived TGF- β on macrophage phenotype and macrophage-mediated tumor cell invasion The international journal of biochemistry & cell biology 2022-12-01 [PMID: 36343916] (IHC-P, Human)

Zhang D, Ren Y, Qin L Et al. Transdifferentiation of goat ear fibroblasts into lactating mammary epithelial cells induced by small molecule compounds Biochemical and biophysical research communications 2021-10-08 [PMID: 34388455] (ICC/IF, Goat)





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 NBP2-44951-0.1mg

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)
H00003875-P02-10ug	Recombinant Human Cytokeratin 18 GST (N-Term) 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

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-44951

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

