

Product Datasheet

Cytokeratin 1 Antibody (3C10F7) NB110-89450

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 2

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NB110-89450**Cytokeratin 1 Antibody (3C10F7)**

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3C10F7
Preservative	0.03% Sodium Azide
Isotype	IgG1
Purity	Ascites
Buffer	Ascites

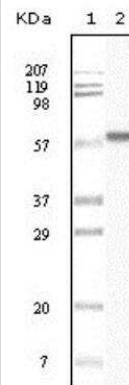
Product Description	
Description	Novus Biologicals Mouse Cytokeratin 1 Antibody (3C10F7) (NB110-89450) is a monoclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-Cytokeratin 1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3848
Gene Symbol	KRT1
Species	Human, Porcine, Bovine, Canine, Equine, Feline, Goat
Reactivity Notes	Porcine, Bovine, Goat, Equine, Canine, and Feline reactivities reported in scientific literature (PMID: 26190143).
Immunogen	Purified recombinant fragment of Cytokeratin 1 expressed in E. Coli.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry Free-Floating
Recommended Dilutions	Western Blot 1:500 - 1:2000, ELISA 1:10000, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence 2-5 ug/ml, Immunohistochemistry-Paraffin 1:200-1:1000, Immunohistochemistry Free-Floating
Application Notes	Use in Immunohistochemistry free floating reported in scientific literature (PMID: 26190143).

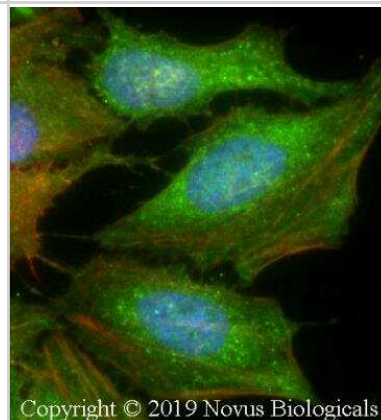


Images

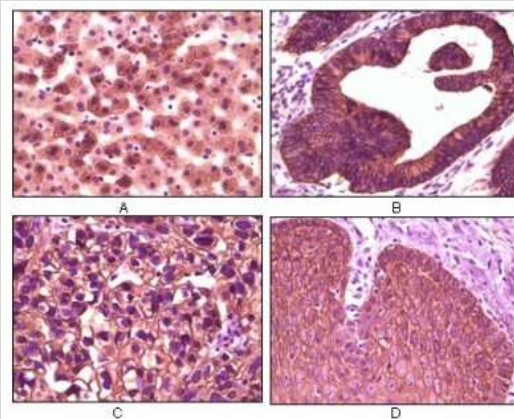
Western Blot: Cytokeratin 1 Antibody (3C10F7) [NB110-89450] - Analysis using CK1 mouse mAb against truncated CK1 recombinant protein.



Immunocytochemistry/Immunofluorescence: Cytokeratin 1 Antibody (3C10F7) [NB110-89450] - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.05% Triton-X100. The cells were incubated with anti-Cytokeratin 1 (3C10F7) at 5 ug/ml overnight at 4C and detected with an anti-mouse Dylight 488 (Green) at a 1:500 dilution. Actin was detected with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



Immunohistochemistry-Paraffin: Cytokeratin 1 Antibody (3C10F7) [NB110-89450] - Analysis of human liver tissue (A), colon carcinoma (B), lung carcinoma (C) and esophagus tissue (D), showing membrane localization using CK1 mouse mAb with DAB staining.



Publications

Fuchs C, Stalnaker KJ, Dalgard CL et al. Plantar Skin Exhibits Altered Physiology, Constitutive Activation of Wound-Associated Phenotypes, and Inherently Delayed Healing. *The Journal of investigative dermatology* 2024-06-22 [PMID: 38237729]

Nautscher N, Bauer A, Steffl M, Amselgruber WM et al. Comparative morphological evaluation of domestic animal cornea *Vet Ophthalmol.* 2015-07-20 [PMID: 26190143] (IHC-P, Equine, Feline, Goat, Bovine, Canine, Porcine)

Details:

Cytokeratin 1 antibody used for Immunohistochemistry on paraffin embedded corneal sections from pig, cow, goat, horse, dog and cat.



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Products Related to NB110-89450

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)

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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