Product Datasheet

Cytokeratin, pan Antibody (PCK-26)
NB120-6401

Unit Size: 0.1 ml

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

Reviews: 2 Publications: 12

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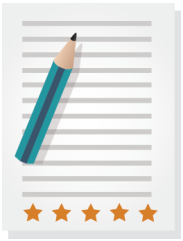
Updated 12/25/2024 v.20.1



NB120-6401

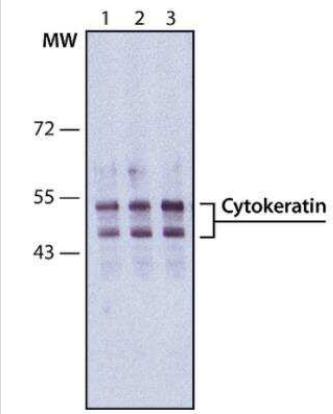
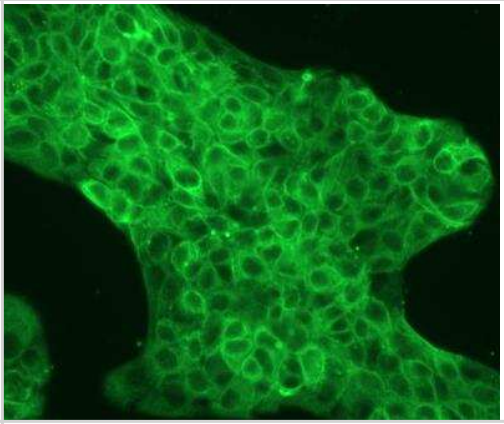
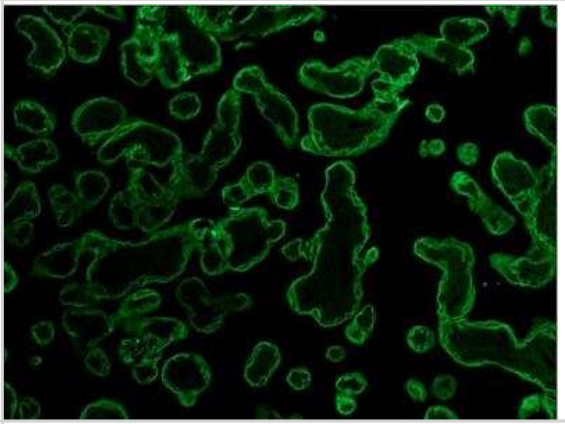
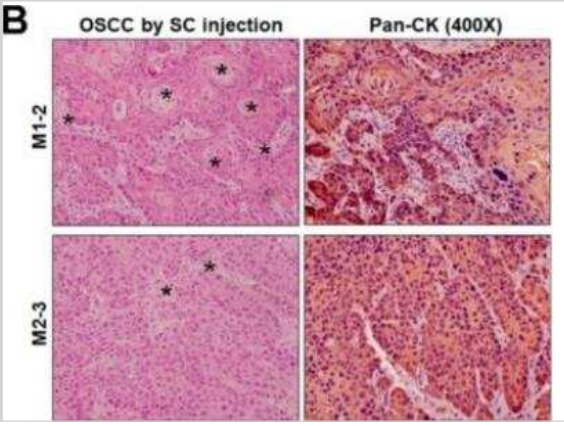
Cytokeratin, pan Antibody (PCK-26)

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	PCK-26
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Unpurified
Buffer	Ascites

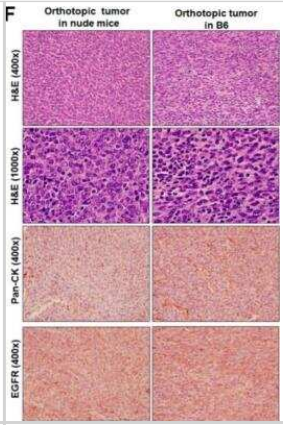
Product Description	
Host	Mouse
Gene ID	3848
Gene Symbol	KRT1
Species	Human, Mouse, Rat, Porcine, Bovine, Canine, Chicken, Equine, Feline, Fish, Guinea Pig, Goat, Hamster, Rabbit, Reptile, Sheep
Reactivity Notes	Use in Equine reported in scientific literature (PMID:34372610) Cross reacts with: carp, lizard, snake. Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Marker	Epithelial marker
Specificity/Sensitivity	PCK-26 recognizes the 58 kDa cytokeratin 5, the 56 kDa cytokeratin 6 and the 52 kDa cytokeratin 8 band in immunoblotting (Lane EB et al). The antibody recognizes an epitope located on the Type II cytokeratins 1, 5, 6, and 8. PCK-26 is a broad spectrum antibody which reacts specifically with a variety of normal, reactive, and neoplastic epithelial tissues. The antibody reacts with simple, cornifying, and non-cornifying squamous epithelia and pseudostratified epithelia.
Immunogen	This Cytokeratin, pan Antibody (PCK-26) was developed against the full length native protein (purified) (Human epidermis).

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:100 - 1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:300, Immunohistochemistry-Paraffin 1:300 - 1:600, Immunohistochemistry-Frozen 1:300 - 1:600

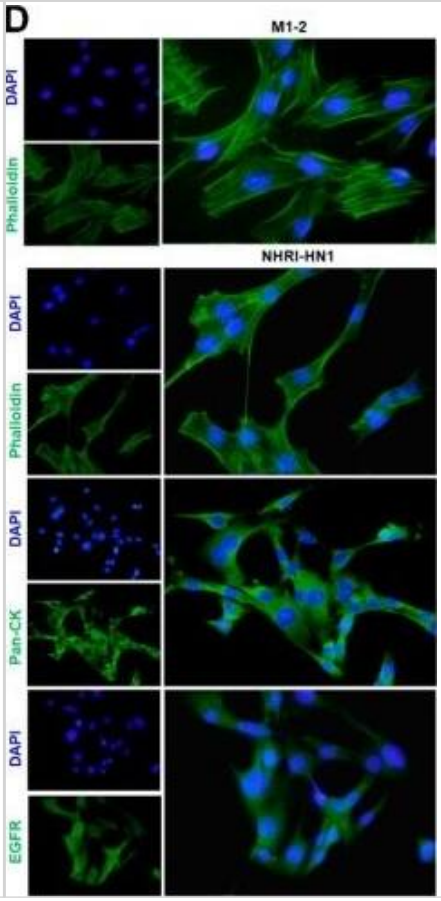
Images

Western Blot: Cytokeratin, pan Antibody (PCK-26) [NB120-6401] - Whole extract of HeLa cells was separated on SDS-PAGE and probed with Monoclonal Anti-Cytokeratin, pan Clone: PCK-26. WB was developed using Goat Anti-Mouse IgG-Peroxidase and a chemiluminescent substrate. Lane 1: Antibody dilution 1:300. Lane 2: Antibody dilution 1:500. Lane 3: Antibody dilution 1:1000.	
Immunocytochemistry/Immunofluorescence: Cytokeratin, pan Antibody (PCK-26) [NB120-6401] - Human pancreas cancer cells. Antibody at 1:250 dilution. Overnight incubation. No permeabilization. ICC/IF image submitted by a verified customer review.	
Immunohistochemistry-Paraffin: Cytokeratin, pan Antibody (PCK-26) [NB120-6401] - Staining of FFPE human placenta sections with 1:300 Monoclonal Anti-Cytokeratin, pan Clone: PCK-26, followed by Goat Anti Mouse IgG (Fab)-FITC.	
Immunohistochemistry: Cytokeratin, pan Antibody (PCK-26) [NB120-6401] - Histological examination of the subcutaneous xenografts in nude mice with H&E staining (left panel) and IHC with anti-pan CK (right panel) at 400x magnification. Asterisks (*) indicate representative keratinization and keratin-pearl formation. Image collected and cropped by CiteAb from the following publication (mdpi.com/2072-6694/12/1/61), licensed under a CC-BY license.	

Immunohistochemistry: Cytokeratin, pan Antibody (PCK-26) [NB120-6401] - Histological examination of NHRI-HN1 tumors in nude mice and B6 mice with H&E staining (upper panels) at 400x and 1000x magnifications and IHC with anti-pan CK (middle panel) and EGFR (lower panel) at 400x magnification. Image collected and cropped by CiteAb from the following publication (mdpi.com/2072-6694/12/1/61), licensed under a CC-BY license.



Immunocytochemistry/ Immunofluorescence: Cytokeratin, pan Antibody (PCK-26) [NB120-6401] - Detection of EMT & increased motility in NHRI-HN1 cells. (A) Summary of the most enriched pathways associated with tumorigenesis in syngeneic mice by comparing tumorigenic NHRI-HN1 cells with nontumorigenic cells, including M1-2, M2-3 & NHRI-HN2, using GSEA analysis. Blue indicates a negative normalized enrichment score (NES) & orange indicates a positive NES. (B) Morphology of M1-2 & NHRI-HN1 cells via phase-contrast microscopy at 100× magnification. (C) Relative adhesion activity in M1-2 & NHRI-HN1 cells, determined by normalizing the mean OD 490 nm value of NHRI-HN1 cells to that of M1-2 cells. (D) Cells stained with Alexa Fluor 488 phalloidin, anti-pan-CK & anti-EGFR antibodies at 400× magnification. (E) Immunoblot analysis of epithelial (E-cadherin, α-catenin & β-catenin), mesenchymal (N-cadherin & Vimentin) proteins & EMT-related transcription factors, including Twist, Snail & Slug in M1-2 & NHRI-HN1 cells. Protein levels were normalized to an internal control, α-tubulin. Ratios were determined by dividing the normalized protein levels in NHRI-HN1 cells by that in M1-2 cells. (F) Representative images (left) & relative data (right) for migration activity of M1-2 & NHRI-HN1 cells. (G) Representative images (left) & relative data (right) for invasion activity of M1-2 & NHRI-HN1 cells at 200× magnification. The relative migration or invasion activity was determined by normalizing the mean number of cells that have migrated or invaded per field of NHRI-HN1 cells to that of M1-2 cells. Error bars represent SE; ** $p < 0.01$; *** $p < 0.001$. Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/31878324), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Dervas E, Michalopoulou E, Hepojoki J et Al. Haemolymphatic tissues of captive boa constrictor (Boa constrictor): Morphological features in healthy individuals and with boid inclusion body disease Dev Comp Immunol 2024-12-16 [PMID: 39694348]

Andreas P Kourouklis, Julius Kaemmel, Xi Wu, Miguel Baños, Astrid Chanfon, Simone de Brot, Aldo Ferrari, Nikola Cesarovic, Volkmar Falk, Edoardo Mazza Transdermal wires for improved integration in vivo. Biomaterials advances 2023-09-01 [PMID: 37591177]

KARAKURT E, DA? S, AKSOY Ö et al. Kedilerin Yass? Hücreli Karsinomlar?nda ?ntermedier Filamentler, p53 Geni, Hücre Proliferasyonu, Metastaz ve Apoptozis Cumhuriyet Üniversitesi Sa?l?k Bilimleri Enstitüsü Dergisi 2023-08-31 (IHC, Feline)

Rosato G, Abril C, Hilbe M, Seehusen F A Combined Approach for Detection of Ovine Small Ruminant Retrovirus Co-Infections Viruses 2023-01-28 [PMID: 36851589] (IHC-P, Sheep)

Huo J, Mikolajek H, Bas A et al. A potent SARS-CoV-2 neutralising nanobody shows therapeutic efficacy in the Syrian golden hamster model of COVID-19 Nat Commun 2021-09-23 [PMID: 34552091]

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Chen YL, Liu KJ, Jang CW et al. ERK Activation Modulates Cancer Stemness and Motility of a Novel Mouse Oral Squamous Cell Carcinoma Cell Line Cancers (Basel) 2019-12-24 [PMID: 31878324] (IF/IHC, ICC/IF, Mouse, Human)

Westrich JA, Vermeer DW, Silva A et al. CXCL14 suppresses human papillomavirus-associated head and neck cancer through antigen-specific CD8+ T-cell responses by upregulating MHC-I expression Oncogene 2019-08-15 [PMID: 31417179] (ICC/IF, Mouse)

Chung HW, Weng JC, King CE et al. BDNF elevates the axonal levels of hnRNPs Q and R in cultured rat cortical neurons Mol. Cell. Neurosci. 2019-06-14 [PMID: 31202892] (WB, Rat)

Tarasco E, Pellegrini G, Whiting L, Lutz TA. Phenotypical heterogeneity in responder (R) and non-responder (NR) male ApoE 3Leiden.CETP mice. Am. J. Physiol. Gastrointest. Liver Physiol. 2018-07-05 [PMID: 29975550] (IF/IHC, Mouse)

Dervas E, Hepojoki J, Laimbacher A et al. Nidovirus-Associated Proliferative Pneumonia in the Green Tree Python (Morelia viridis) J. Virol. 2017-08-09 [PMID: 28794044] (IF/IHC, Reptile)

Meeker RB, Bragg DC, Poulton W, Hudson L. Transmigration of macrophages across the choroid plexus epithelium in response to the feline immunodeficiency virus. Cell Tissue Res;347(2):443-55. 2012-02-01 [PMID: 22281685] (ICC/IF, Feline)

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DNST0	Endostatin [HRP]

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