

Product Datasheet

Cytokeratin, pan Antibody (PAN-CK (Cocktail)) NBP2-44368-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-44368-0.1mg

Cytokeratin, pan Antibody (PAN-CK (Cocktail))

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	PAN-CK (Cocktail)
Preservative	0.05% Sodium Azide
Isotype	IgG Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

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. (NBP2-76425) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Mouse
Gene ID	3848
Gene Symbol	KRT1
Species	Human, Mouse, Rat, Bovine, Canine, Chicken, Feline, Monkey, Rabbit
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:34289354)
Marker	Epithelial Marker
Specificity/Sensitivity	Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, with 67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 55kDa (CK7); 52kDa (CK8); 56.5kDa (CK10); 53kDa (CK13); 50kDa (CK14); 50kDa (CK15); 48kDa (CK16); 46kDa (CK17); 45kDa (CK18) and 40kDa (CK19). Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. KRT-PAN is a broad-spectrum anti pan-cytokeratin antibody cocktail, which differentiates epithelial tumors from non-epithelial tumors e.g. squamous vs. adenocarcinoma of the lung, liver carcinoma, breast cancer, and esophageal cancer. It is useful in characterizing the source of various neoplasms and to study the distribution of cytokeratin containing cells in epithelia during normal development and during the development of epithelial neoplasms. This antibody stains cytokeratins present in normal and abnormal human tissues and shows high sensitivity in the recognition of epithelial cells and carcinomas.
Immunogen	Human epidermal keratins

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence
Recommended Dilutions	Western Blot 0.5-2 ug/ml, Flow Cytometry 0.5-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Immunofluorescence 1 - 2 ug/ml

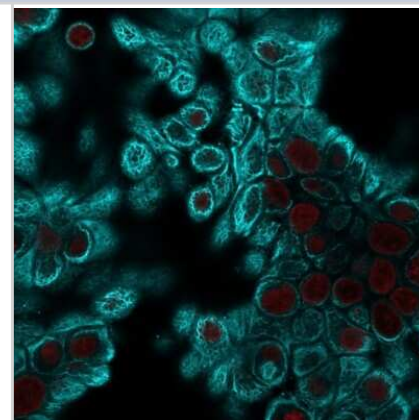


Application Notes

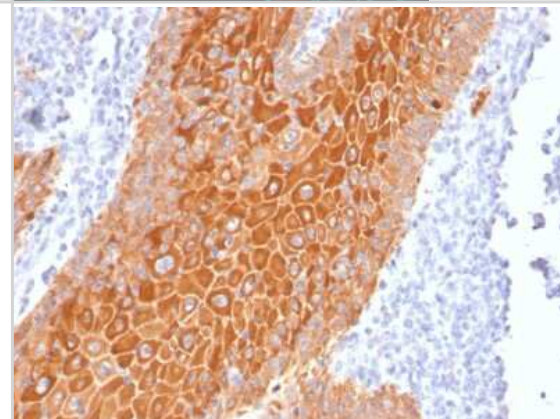
Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.
 Western Blot: 0.5-2ug/ml for 2 hours at RT.
 Use in Immunohistochemistry reported in scientific literature (PMID:34289354).

Images

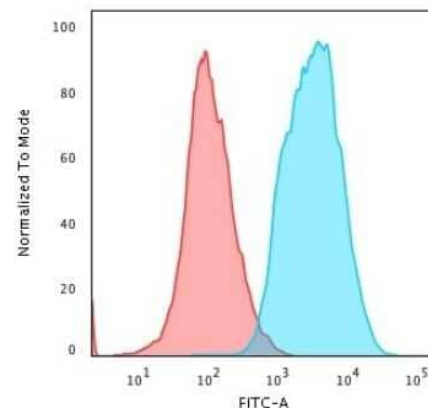
Immunocytochemistry/Immunofluorescence: Cytokeratin, pan Antibody (PAN-CK (Cocktail)) [NBP2-44368] - Confocal immunofluorescent analysis of HeLa cells using Cytokeratin, panMouse Monoclonal Antibody (PAN-CK) followed by goat anti-mouse IgG-CF488 (cyan). Nuclei are counterstained with NucSpot (red).



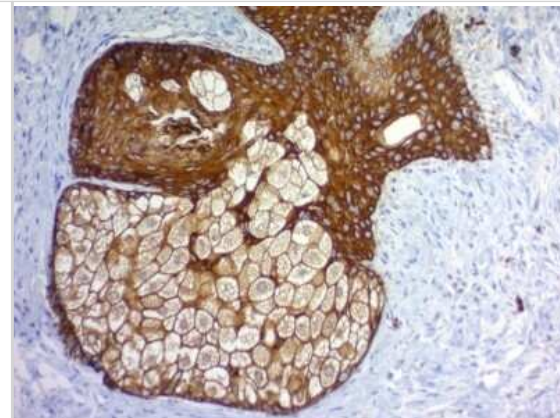
Immunohistochemistry-Paraffin: Cytokeratin, pan Antibody (PAN-CK (Cocktail)) [NBP2-44368] - Formalin-fixed, paraffin-embedded human squamous cell carcinoma stained with Cytokeratin, pan Mouse Monoclonal Antibody (PAN-CK).



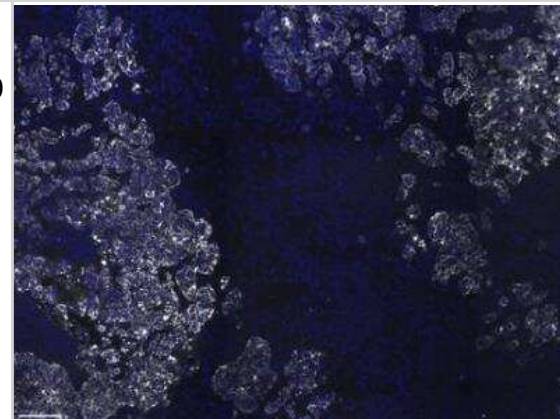
Flow Cytometry: Cytokeratin, pan Antibody (PAN-CK (Cocktail)) [NBP2-44368] - Flow Cytometric Analysis of human HeLa cells. Cytokeratin, pan Antibody (PAN-CK (Cocktail)). using followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).



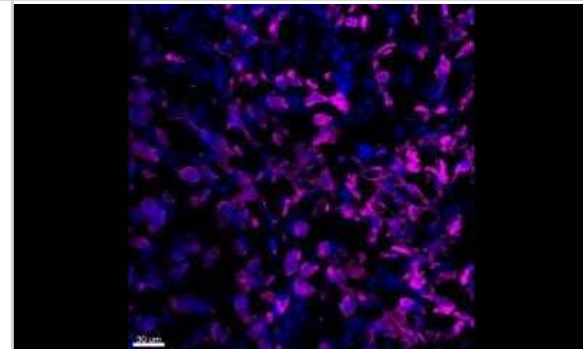
Immunohistochemistry-Paraffin: Cytokeratin, pan Antibody (PAN-CK (Cocktail)) [NBP2-44368] - Human Skin stained with Cytokeratin, pan Monoclonal Antibody cocktail (PAN-CK).



Immunohistochemistry-Paraffin: Cytokeratin, pan Antibody (PAN-CK (Cocktail)) [NBP2-44368] - Human breast cancer tissue stained for panCK (white) and counterstained with DAPI (blue). The Alexa Fluor 750 conjugate of this antibody was used (NBP2-76425AF750). Image from verified customer review.



Immunohistochemistry-Frozen: Cytokeratin, pan Antibody (PAN-CK (Cocktail)) [NBP2-44368] - Human breast cancer tissue stained for panCK (purple) and counterstained with DAPI (blue). The Alexa Fluor 750 conjugate of this antibody was used. IHC-Fr image submitted by a verified customer review.



Publications

Bruand M, Barras D, Mina M Et Al. Cell-autonomous inflammation of BRCA1-deficient ovarian cancers drives both tumor-intrinsic immunoreactivity and immune resistance via STING Cell reports 2021-07-20 [PMID: 34289354] (IF/IHC)



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Products Related to NBP2-44368-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
DNST0	Endostatin [HRP]
MAB1455	Albumin Antibody (188835) [Unconjugated] - Serum

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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