Product Datasheet

Cytokeratin, pan Antibody (PAN-CK (Cocktail)) [Janelia Fluor® 525]
NBP2-76425JF525

Unit Size: 0.1 ml

Store at 4C in the dark.

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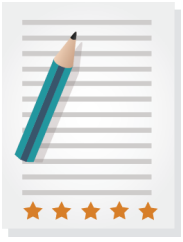

NBP2-76425JF525

Cytokeratin, pan Antibody (PAN-CK (Cocktail)) [Janelia Fluor® 525]

Product Information

Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	PAN-CK (Cocktail)
Preservative	0.05% Sodium Azide
Isotype	IgG Kappa
Conjugate	Janelia Fluor 525
Purity	Protein A or G purified
Buffer	50mM Sodium Borate

Product Description

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
Notes	Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.

Product Application Details

Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence

Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Immunofluorescence, CyTOF-ready
Application Notes	Optimal dilution of this antibody should be experimentally determined.

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Products Related to NBP2-76425JF525

DNST0	Endostatin [HRP]
MAB1455	Albumin Antibody (188835) [Unconjugated] - Serum
NB100-687	Cytokeratin 19 Antibody - BSA Free
NBP2-16094	Cytokeratin 8 Antibody - BSA Free

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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