

# Product Datasheet

## Cytokeratin 8/18 Antibody (K8.8 + DC10) NBP2-34344-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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**NBP2-34344-0.1mg**

Cytokeratin 8/18 Antibody (K8.8 + DC10)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	K8.8 + DC10
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa/IgG1 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. (NBP2-34655)  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	3856
Gene Symbol	KRT8
Species	Human
Specificity/Sensitivity	Cytokeratin 8 (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). This monoclonal antibody cocktail recognizes all simple epithelia including glandular epithelium, for example thyroid, female breast, gastrointestinal tract, respiratory tract, and urogenital tract including transitional epithelium. All adenocarcinomas and most squamous carcinomas are positive but keratinizing squamous carcinomas are usually negative. This antibody is useful in demonstrating the presence of Paget cells; there is very little keratin 18 in the normal epidermis so only Paget cells are stained. Immunohistochemical staining with this monoclonal antibody is indistinguishable from that obtained with monoclonal antibody 5D3.
Immunogen	Keratin preparation from a human carcinoma (K8.8); PMC-42 human breast carcinoma cells (DC10)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
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, Flow (Intracellular)
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.

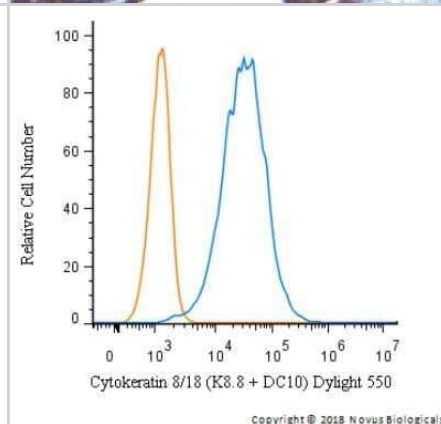


## Images

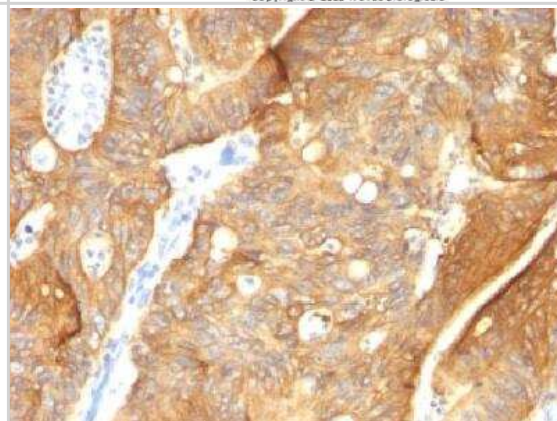
Immunohistochemistry-Paraffin: Cytokeratin 8/18 Antibody (K8.8 + DC10) [NBP2-34344] - Formalin-fixed, paraffin-embedded human Ovarian cancer stained with Cytokeratin 8/18 Monoclonal Antibody (K8.8 + DC10).



Flow Cytometry: Cytokeratin 8/18 Antibody (K8.8 + DC10) [NBP2-34344] - Flow Cytometry: Cytokeratin 8/18 Antibody (K8.8 + DC10) [DyLight 550] [NBP2-34655R] - An intracellular stain was performed on HeLa cells with Cytokeratin 8/18 Antibody (K8.8 + DC10) NBP2-34655R (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to DyLight 550. Image using the DyLight 550 form of this antibody.



Immunohistochemistry-Paraffin: Cytokeratin 8/18 Antibody (K8.8 + DC10) [NBP2-34344] - Formalin-fixed paraffin-embedded human colon carcinoma stained with cytokeratin 8/18 Monoclonal Antibody (K8.8 +DC10)



## Publications

Koch MK, Ravichandran A, Murekatete B et al. Exploring the Potential of PEG-Heparin Hydrogels to Support Long-Term Ex Vivo Culture of Patient-Derived Breast Explant Tissues Advanced healthcare materials 2022-12-17 [PMID: 36527735] (IHC-P, Human)

Details:

Dilution used in IHC-P 1:100

Khan M, Yoo SJ, Clijsters M et al. Visualizing in deceased COVID-19 patients how SARS-CoV-2 attacks the respiratory and olfactory mucosae but spares the olfactory bulb Cell 2021-11-01 [PMID: 34798069] (IHC)



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### **Products Related to NBP2-34344-0.1mg**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
8184-CK-050	Choline Kinase beta [Unconjugated]
MAB1368	alpha-Fetoprotein/AFP Antibody (189502) [Unconjugated]

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### **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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