

Product Datasheet

Cytokeratin 19 Antibody (SPM561)

NBP2-34379-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-34379-0.1mg

Cytokeratin 19 Antibody (SPM561)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	SPM561
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	40 kDa

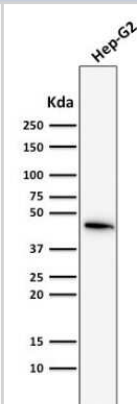
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-34426) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	3880
Gene Symbol	KRT19
Species	Human, Mouse
Marker	Pancreatic Stem Cell Marker
Specificity/Sensitivity	This Ab reacts with the rod domain of human cytokeratin 19 (CK19), a polypeptide of 40kDa. CK19 is expressed in sweat gland, mammary gland ductal and secretory cells, bile ducts, gastrointestinal tract, bladder urothelium, oral epithelia, esophagus, and ectocervical epithelium. Anti-CK19 reacts with a wide variety of epithelial malignancies including adenocarcinomas of the colon, stomach, pancreas, biliary tract, liver, and breast. Perhaps the most useful application is the identification of thyroid carcinoma of the papillary type, although 50%-60% of follicular carcinomas are also labeled. Anti-CK19 is a useful marker for detection of tumor cells in lymph nodes, peripheral blood, bone marrow and breast cancer.
Immunogen	Human mammary epithelial organoids. (Uniprot: P08727)

Product Application Details	
Applications	Western Blot, Flow Cytometry, 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
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.

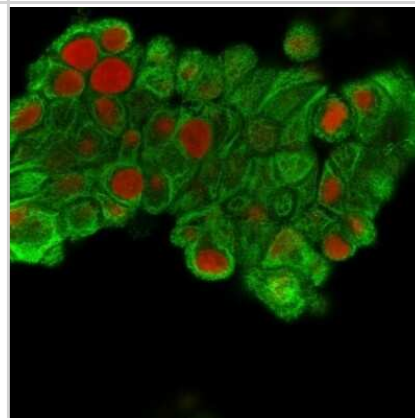


Images

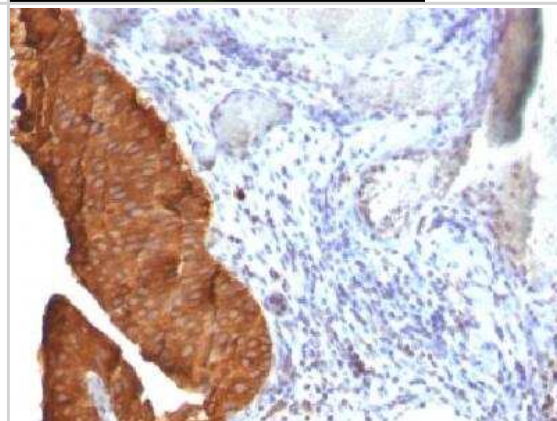
Western Blot: Cytokeratin 19 Antibody (SPM561) [NBP2-34379] - Western Blot Analysis of HepG2 cell lysate using Cytokeratin 19 Antibody (SPM561).



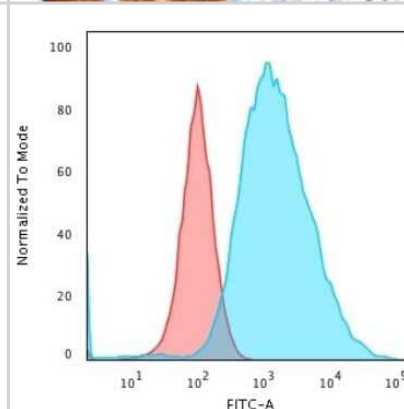
Immunocytochemistry/Immunofluorescence: Cytokeratin 19 Antibody (SPM561) [NBP2-34379] - Immunofluorescence Analysis of MeOH-fixed MCF-7 cells labeling CK19 using Cytokeratin 19 Antibody (SPM561) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Red Dot (Red).



Immunohistochemistry-Paraffin: Cytokeratin 19 Antibody (SPM561) [NBP2-34379] - Formalin-fixed, paraffin-embedded human Bladder carcinoma stained with cytokeratin 19 Monoclonal Antibody (SPM561).



Flow Cytometry: Cytokeratin 19 Antibody (SPM561) [NBP2-34379] - Flow Cytometric Analysis of MeOH-fixed MCF-7 cells using Cytokeratin 19 Antibody (SPM561) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Publications

Singh V, Yeoh BS, Chassaing B et al. Dysregulated Microbial Fermentation of Soluble Fiber Induces Cholestatic Liver Cancer. Cell. 2018-10-18 [PMID: 30340040] (IHC-P, Mouse)



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Products Related to NBP2-34379-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NB100-687PEP	Cytokeratin 19 Antibody Blocking Peptide

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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