

Product Datasheet

Cytokeratin 17 Antibody (E3 (same as Ks17.E3)) NBP2-29421

Unit Size: 0.1 mg

Store at 4C.

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NBP2-29421

Cytokeratin 17 Antibody (E3 (same as Ks17.E3))

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	E3 (same as Ks17.E3)
Preservative	0.05% Sodium Azide
Isotype	IgG2b Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	46 kDa

Product Description	
Description	<p>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. (NBP2-33188)</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.</p>
Host	Mouse
Gene ID	3872
Gene Symbol	KRT17
Species	Human, Rat, Porcine, Bovine, Goat
Marker	Basal Epithelial Marker
Specificity/Sensitivity	<p>Cytokeratin 17 (CK17) is normally expressed in the basal cells of complex epithelia but not in stratified or simple epithelia. Antibody to CK17 is an excellent tool to distinguish myoepithelial cells from luminal epithelium of various glands such as mammary, sweat and salivary. CK17 is expressed in epithelial cells of various origins, such as bronchial epithelial cells and skin appendages. It may be considered as 'epithelial stem cell' marker because CK17 Ab marks basal cell differentiation. CK17 is expressed in SCLC much higher than in LADC. Eighty-five percent of the triple negative breast carcinomas immunoreact with basal cytokeratins including anti-CK17. Also important is that cases of triple negative breast carcinoma with expression of CK17 show an aggressive clinical course. The histologic differentiation of ampullary cancer, intestinal vs. pancreatobiliary, is very important for treatment. Usually anti-CK17 and anti-MUC1 immunoreactivity represents pancreatobiliary subtype whereas anti-MUC2 and anti-CDX-2 positivity defines intestinal subtype.</p>
Immunogen	Cytoskeletal fraction of rat colon epithelium (Uniprot: Q04695)

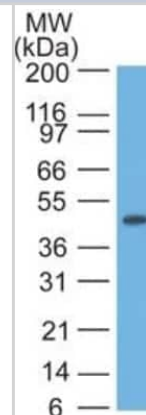
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin



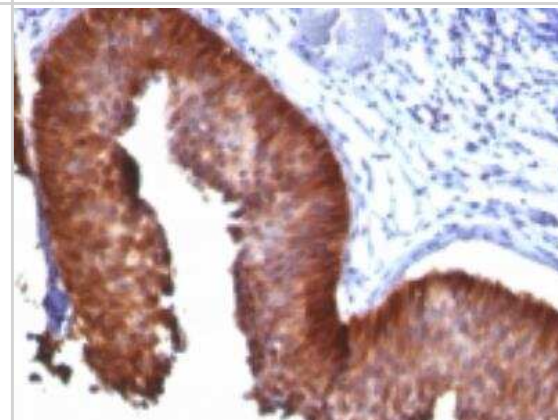
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 0.5-1.0ug/ml, Immunohistochemistry-Frozen 1-2 ug/ml
Application Notes	Immunohistochemistry (Frozen & formalin-fixed): 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

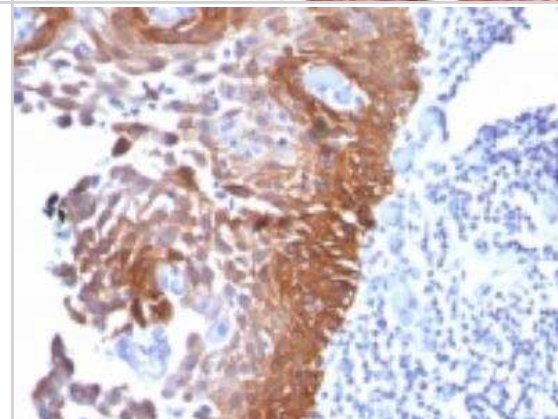
Western Blot: Cytokeratin 17 Antibody (E3 (same as Ks17.E3)) [NBP2-29421] - Analysis of Cytokeratin 17 in human HeLa lysate using Cytokeratin 17 E3 antibody at 3 ug/ml. goat anti-mouse Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.



Immunohistochemistry-Paraffin: Cytokeratin 17 Antibody (E3 (same as Ks17.E3)) [NBP2-29421] - Formalin-fixed paraffin-embedded human Bladder Carcinoma stained with CK17 Monoclonal Antibody (E3)



Immunohistochemistry-Paraffin: Cytokeratin 17 Antibody (E3 (same as Ks17.E3)) [NBP2-29421] - Formalin-fixed, paraffin-embedded human cervical carcinoma stained with CK17 Monoclonal Antibody (E3).



Publications

McGinn O, Riley D, Finlay-Schultz J et al. Cytokeratins 5 and 17 Maintain an Aggressive Epithelial State in Basal-Like Breast Cancer Molecular Cancer Research 2022-09-02 [PMID: 35639459] (Western Blot)

Tedjawirja VN, Hooijer GKJ, Savci-Heijink CD et al. Inadequate detection of the FSHR complicates future research on extragonadal FSHR localization Front Endocrinol (Lausanne) 2023-02-16 [PMID: 36875462] (Immunohistochemistry)

McGinn O, Ward AV, Fettig LM et al. Cytokeratin 5 alters beta-catenin dynamics in breast cancer cells Oncogene 2020-01-27 [PMID: 31988452] (WB, Human)

Haisma EM, Rietveld MH, de Breij A et al. Inflammatory and Antimicrobial Responses to Methicillin-Resistant Staphylococcus aureus in an In Vitro Wound Infection Model. PLoS One 2013-12-10 [PMID: 24340061] (IHC-P, Human)





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Products Related to NBP2-29421

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
NBP2-51594-0.1mg	Recombinant Human Cytokeratin 17 His Protein

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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