

Product Datasheet

CK19 Antibody / Cytokeratin 19 (orb749642)

Catalog Number	orb749642
Category	Antibodies
Description	Recognizes a protein of 40kDa, identified as cytokeratin-19 (CK19), which 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.
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human, Rat
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
Purification	Protein G affinity chromatography
Immunogen	Recombinant human Cytokeratin 19 protein was used as the immunogen for the CK19 antibody.
UniProt ID	P08727
Tested applications	IF, IHC-P, WB

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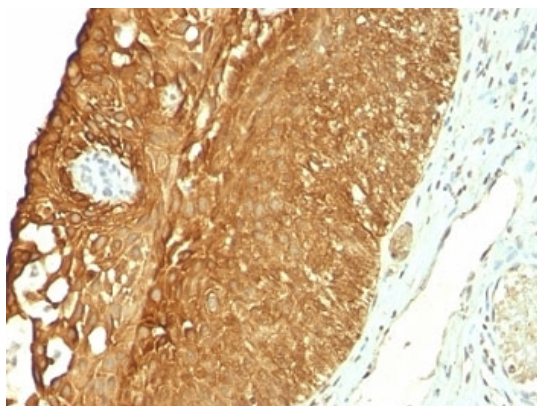
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Dilution range	Western blot: 1-2ug/million cells,Immunofluorescence: 1-2ug/ml,Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Application notes	Optimal dilution of the CK19 antibody should be determined by the researcher.1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
Antibody Type	Primary Antibody
Clone Number	KRT19/800
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



IHC: Formalin-fixed, paraffin-embedded human cervical carcinoma stained with CK19 antibody (clone KRT19/800).

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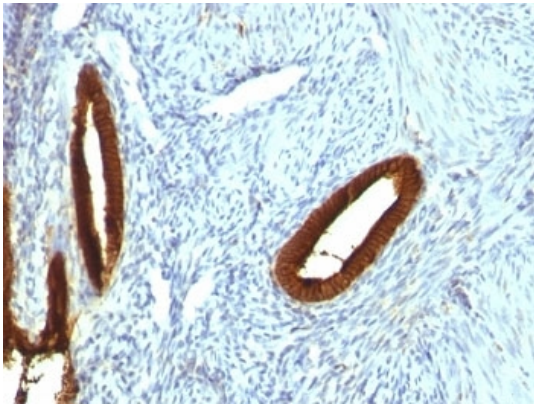
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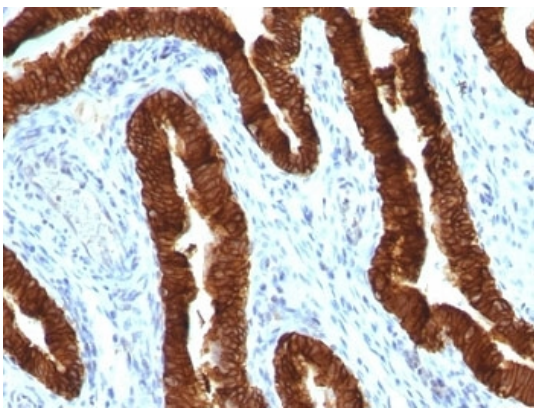
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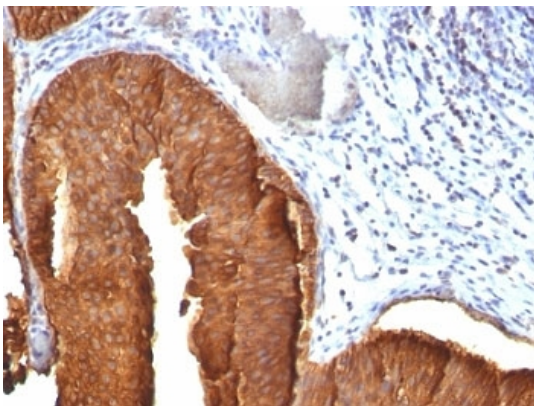
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IHC: Formalin-fixed, paraffin-embedded human endometrial carcinoma stained with CK19 antibody (KRT19/800)



IHC: Formalin-fixed, paraffin-embedded human ovarian carcinoma stained with CK19 antibody (clone KRT19/800).



IHC: Formalin-fixed, paraffin-embedded human bladder carcinoma stained with CK19 antibody (KRT19/800)

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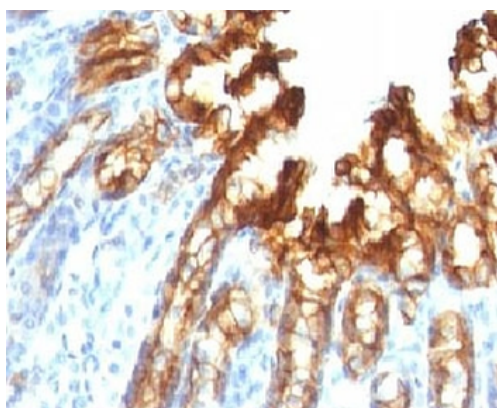
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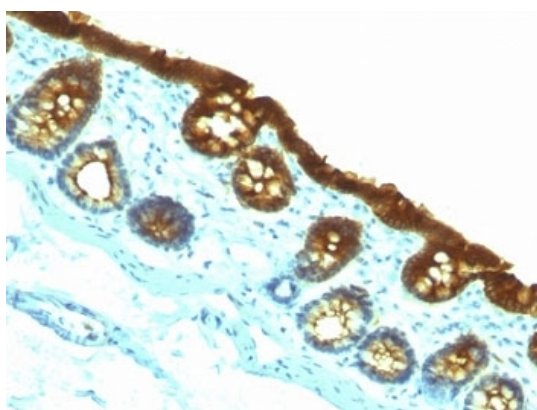
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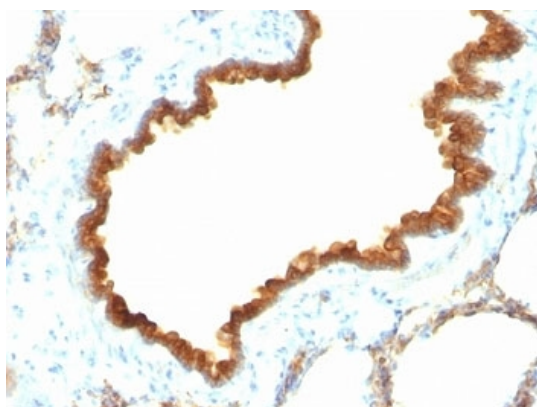
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IHC: Formalin-fixed, paraffin-embedded rat stomach stained with CK19 antibody



IHC: Formalin-fixed, paraffin-embedded rat colon stained with CK19 antibody



IHC: Formalin-fixed, paraffin-embedded rat lung stained with CK19 antibody

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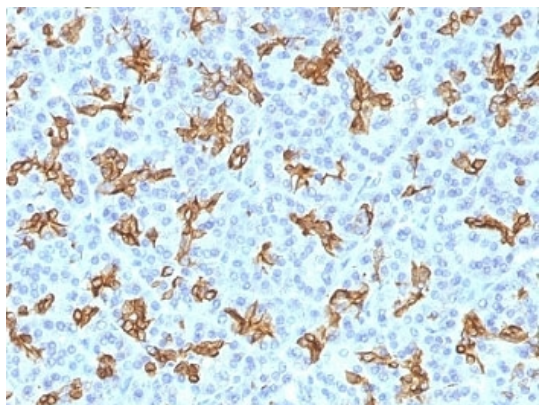
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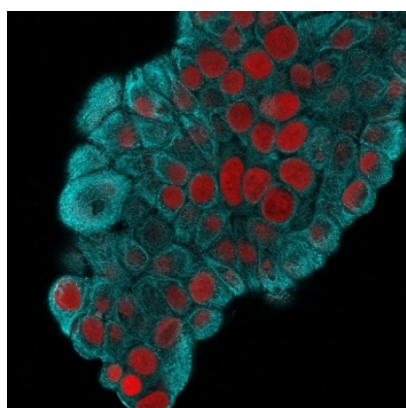
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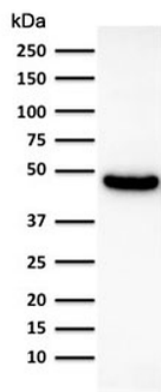
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IHC: Formalin-fixed, paraffin-embedded human pancreas stained with CK19 antibody



Immunofluorescent staining of MeOH fixed human MCF7 cells with Cytokeratin 19 antibody (clone KRT19/800, blue) and Reddot nuclear stain (red).



Western blot testing of human lung lysate using CK19 antibody (clone KRT19/800). Predicted molecular weight ~43 kDa.

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