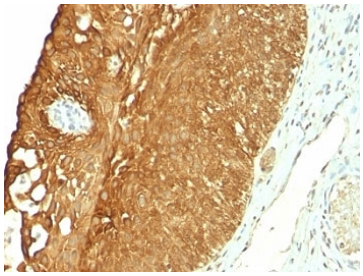
# CK19 Antibody / Cytokeratin 19 [clone KRT19/800] (V2679)

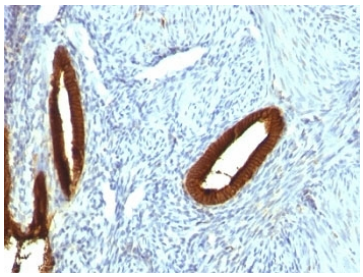
| Catalog No. | Formulation | Size |
|---|---|---|
| V2679-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V2679-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V2679SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |
| V2679IHC-7ML | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml |

## Bulk quote request

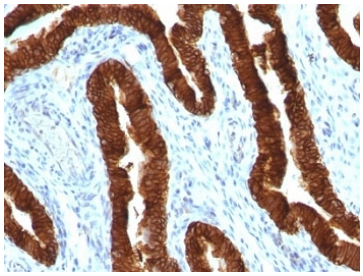
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Rat |
| **Format** | Purified |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | KRT19/800 |
| **Purity** | Protein G affinity chromatography |
| **UniProt** | P08727 |
| **Localization** | Cytoplasmic |
| **Applications** | Western Blot : 1-2ug/million cells<br>Immunofluorescence : 1-2ug/ml<br>Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT |
| **Limitations** | This CK19 antibody is available for research use only. |



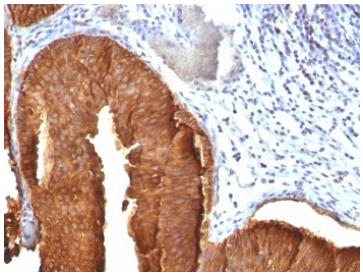
IHC: Formalin-fixed, paraffin-embedded human cervical carcinoma stained with CK19 antibody (clone KRT19/800).



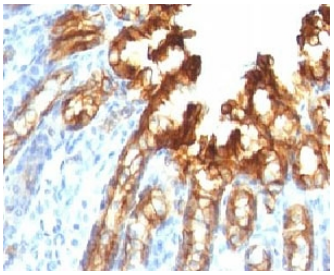
IHC: Formalin-fixed, paraffin-embedded human endometrial carcinoma stained with CK19 antibody (KRT19/800)



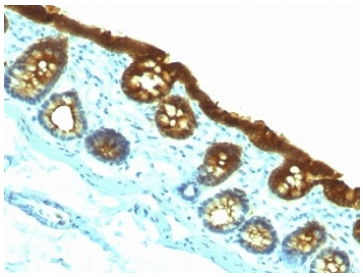
IHC: Formalin-fixed, paraffin-embedded human ovarian carcinoma stained with CK19 antibody (clone KRT19/800).



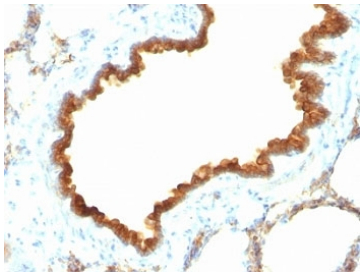
IHC: Formalin-fixed, paraffin-embedded human bladder carcinoma stained with CK19 antibody (KRT19/800)



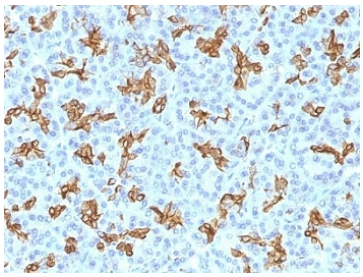
IHC: Formalin-fixed, paraffin-embedded rat stomach stained with CK19 antibody



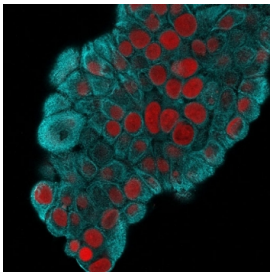
IHC: Formalin-fixed, paraffin-embedded rat colon stained with CK19 antibody



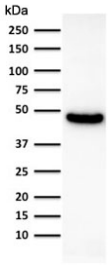
IHC: Formalin-fixed, paraffin-embedded rat lung stained with CK19 antibody



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.

## Description

CK19 antibody clone KRT19/800 is a monoclonal antibody that recognizes cytokeratin 19, the smallest type I keratin expressed in simple epithelia and many epithelial-derived tumors. CK19 is abundant in epithelial tissues of the gastrointestinal tract, lung, pancreas, and liver, and is widely applied as a marker of epithelial differentiation. NSJ Bioreagents provides this antibody for oncology, hepatology, and epithelial biology research.

The antibody produces strong cytoplasmic staining in simple and glandular epithelia, including bile ducts, pancreatic ducts, and bronchial epithelium. In pathology, CK19 is a standard marker for adenocarcinomas and is frequently applied in immunohistochemical panels to classify tumor origin. For example, detection of CK19 supports diagnosis of cholangiocarcinoma, pancreatic carcinoma, and metastatic adenocarcinomas.

In hepatology, CK19 antibody clone KRT19/800 is used to identify hepatic progenitor cells and to assess cholangiocyte biology. CK19 positivity in hepatocellular carcinomas has been associated with more aggressive disease, making it an important biomarker in liver cancer research.

In oncology more broadly, CK19 is applied to evaluate epithelial tumors of breast, lung, colon, and thyroid origin. The antibody has also been used in research on circulating tumor cells, where CK19 detection provides insight into metastatic potential and disease monitoring.

In developmental biology, CK19 is a marker of epithelial progenitor cells, supporting studies into epithelial differentiation and regeneration. It has also been applied in stem cell research, where it helps define lineages of epithelial origin.

Validated across tissue-based and cell-based systems, the antibody consistently delivers strong and specific cytoplasmic staining with minimal background. Alternate names include cytokeratin 19 antibody, keratin 19 antibody, and type I CK19 antibody.

## 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 min
2. 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.

## Immunogen

Recombinant human Cytokeratin 19 protein was used as the immunogen for the CK19 antibody.

## Storage

Store the CK19 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).