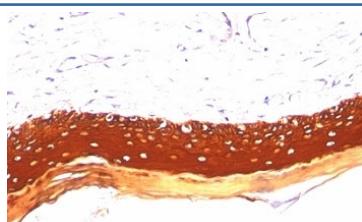


## Acidic Cytokeratin Antibody [clone KRTL/1077] (V3115)

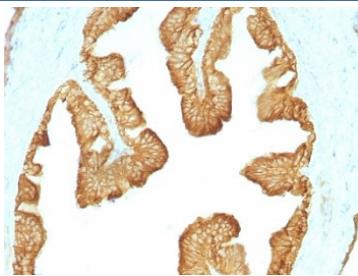
| Catalog No.    | Formulation   | Size   |
|----------------|---|--------|
| V3115-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 100 ug |
| V3115-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 20 ug  |
| V3115SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free  | 100 ug |
| V3115IHC-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](#)

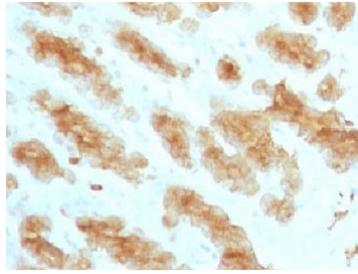
|                    |  |
|--------------------|--|
| Availability       | 1-3 business days  |
| Species Reactivity | Human, Rat   |
| Format             | Purified   |
| Host               | Mouse  |
| Clonality          | Monoclonal (mouse origin)  |
| Isotype            | Mouse IgG1, kappa  |
| Clone Name         | KRTL/1077  |
| Purity             | Protein G affinity chromatography                                    |
| UniProt            | Q7Z794   |
| Localization       | Cytoplasmic  |
| Applications       | Immunohistochemistry (FFPE) : 0.1-0.2ug/ml for 30 min at RT          |
| Limitations        | This Acidic Cytokeratin antibody is available for research use only. |



IHC: Formalin paraffin human skin stained with Acidic Cytokeratin antibody (KRTL/1077).



IHC: Formalin paraffin rat oviduct stained with Acidic Cytokeratin antibody (KRTL/1077).



IHC: Formalin paraffin rat stomach with Acidic Cytokeratin antibody (KRTL/1077).

## Description

This mAb recognizes the 56.5kDa (CK10); 50kDa (CK14); 50kDa (CK15); 48kDa (CK16); 40kDa (CK19) keratins of the acidic (Type I or LMW) subfamily. Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. The acidic keratins have molecular weights (MW) of 56.5, 55, 51, 50, 50 , 48, 46, 45, and 40kDa. Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis.

## Application Notes

Optimal dilution of the Acidic Cytokeratin 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 KRT77 protein was used as the immunogen for the Acidic Cytokeratin antibody.

## Storage

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