

# Anti-Cytokeratin 19 KRT19 Rabbit Monoclonal Antibody

Catalog # ABO14179

## Product Information

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|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IF, ICC, FC                                                                                                                                   |
| <b>Primary Accession</b> | <a href="#">P08727</a>                                                                                                                                 |
| <b>Host</b>              | Rabbit                                                                                                                                                 |
| <b>Isotype</b>           | Rabbit IgG                                                                                                                                             |
| <b>Reactivity</b>        | Human, Mouse                                                                                                                                           |
| <b>Clonality</b>         | Monoclonal                                                                                                                                             |
| <b>Format</b>            | Liquid                                                                                                                                                 |
| <b>Description</b>       | Anti-Cytokeratin 19 KRT19 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse. |

## Additional Information

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| <b>Gene ID</b>             | 3880                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Other Names</b>         | Keratin, type I cytoskeletal 19, Cytokeratin-19, CK-19, Keratin-19, K19, KRT19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Calculated MW</b>       | 44106                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Application Details</b> | WB 1:5000-1:10000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>FC 1:50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Tissue Specificity</b>  | Expressed in a defined zone of basal keratinocytes in the deep outer root sheath of hair follicles. Also observed in sweat gland and mammary gland ductal and secretory cells, bile ducts, gastrointestinal tract, bladder urothelium, oral epithelia, esophagus, ectocervical epithelium (at protein level). Expressed in epidermal basal cells, in nipple epidermis and a defined region of the hair follicle. Also seen in a subset of vascular wall cells in both the veins and artery of human umbilical cord, and in umbilical cord vascular smooth muscle. Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma in structures that contain dystrophin and spectrin.. |
| <b>Source</b>              | Eukaryota                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Contents</b>            | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Clone Names</b>         | Clone: CCO-11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Immunogen</b>           | A synthesized peptide derived from human Cytokeratin 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purification</b>        | Affinity-chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

## Protein Information

### Name

KRT19

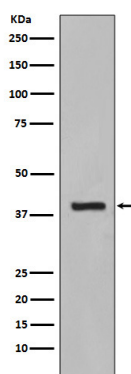
### Function

Involved in the organization of myofibers. Together with KRT8, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.

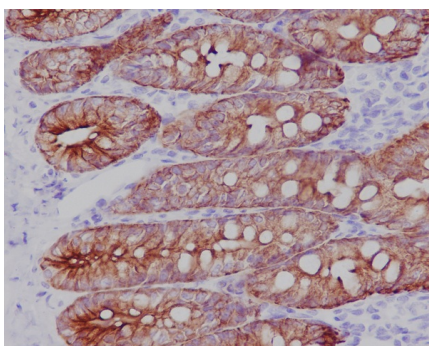
### Tissue Location

Expressed in a defined zone of basal keratinocytes in the deep outer root sheath of hair follicles. Also observed in sweat gland and mammary gland ductal and secretory cells, bile ducts, gastrointestinal tract, bladder urothelium, oral epithelia, esophagus, ectocervical epithelium (at protein level). Expressed in epidermal basal cells, in nipple epidermis and a defined region of the hair follicle. Also seen in a subset of vascular wall cells in both the veins and artery of human umbilical cord, and in umbilical cord vascular smooth muscle. Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma in structures that contain dystrophin and spectrin.

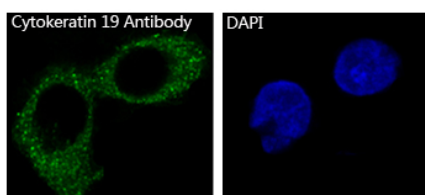
## Images



Western blot analysis of Cytokeratin 19 expression in HepG2 cell lysate.



Immunohistochemical analysis of paraffin-embedded mouse colon, using Cytokeratin 19 Antibody.



Immunofluorescent analysis of MCF-7 cells, using Cytokeratin 19 Antibody.