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# Anti-KRT19 / CK19 / Cytokeratin 19 Antibody (clone A53-B/A2)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS18387

## Product Information

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|---|---|
| **Application** | WB, IHC-P |
| **Primary Accession** | P08727 |
| **Predicted** | Human |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | IgG2a,k |
| **Clone Names** | A53-B/A2 |
| **Calculated MW** | 44106 |
| **Concentration (mg/ml)** | 0.2 mg/ml |

## Additional Information

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|---|---|
| **Gene ID** | 3880 |
| **Alias Symbol** | KRT19 |
| **Other Names** | KRT19, CK19, Cytokeratin 19, Cytokeratin-19, Keratin 19, Keratin-19, CK-19, K19, K1CS, Keratin, type I, 40-kd |
| **Target/Specificity** | Human KRT19 / CK19 / Cytokeratin 19 |
| **Reconstitution & Storage** | Purified |
| **Precautions** | Anti-KRT19 / CK19 / Cytokeratin 19 Antibody (clone A53-B/A2) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | KRT19 ( HGNC:6436) |
| **Function** | Structural component of intermediate filaments in epithelial cells. Forms intermediate filaments by heterodimerizing with the type II keratin KRT8, providing mechanical integrity to epithelial cells (PubMed:16000376). Integrates into the intermediate filament network of skeletal muscle fibers alongside desmin and KRT18, contributing to force transmission (By similarity). Specifically interacts with the actin-binding domain of dystrophin, helping to link the contractile apparatus to dystrophin at the costameres of striated muscle (PubMed:16000376). |
| **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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.