

#4558 Store at -20C

Keratin 19 (BA17) Mouse mAb


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For Research Use Only. Not for Use in Diagnostic Procedures.

| Applications: | Reactivity: | Sensitivity: | MW (kDa): | Source/Isotype: | UniProt ID: | Entrez-Gene Id: |
|---------------|-------------|--------------|-----------|-----------------|-------------|-----------------|
| WB, IHC-P | H | Endogenous | 40 | Mouse IgG1 | #P08727 | 3880 |

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| Product Usage Information | Application Western Blotting Immunohistochemistry (Paraffin) | Dilution 1:1000 1:100 - 1:400 |
| Storage | Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody. | |
| Specificity / Sensitivity | Keratin 19 (BA17) Mouse mAb detects endogenous levels of total keratin 19 protein. The antibody does not cross-react with other keratin proteins. | |
| Source / Purification | Monoclonal antibody is produced by immunizing animals with detergent-insoluble extract of human mammary epithelial organoids. | |
| Background | Keratins (cytokeratins) are intermediate filament proteins that are mainly expressed in epithelial cells. Keratin heterodimers composed of an acidic keratin (or type I keratin, keratins 9 to 23) and a basic keratin (or type II keratin, keratins 1 to 8) assemble to form filaments (1,2). Keratin isoforms demonstrate tissue- and differentiation-specific profiles that make them useful as research biomarkers (1). Research studies have shown that mutations in keratin genes are associated with skin disorders, liver and pancreatic diseases, and inflammatory intestinal diseases (3-6). | |
| Background References | 1. Moll, R. et al. (1982) <i>Cell</i> 31, 11-24. 2. Chang, L. and Goldman, R.D. (2004) <i>Nat Rev Mol Cell Biol</i> 5, 601-13. 3. Ramaekers, F.C. and Bosman, F.T. (2004) <i>J Pathol</i> 204, 351-4. 4. Lane, E.B. and McLean, W.H. (2004) <i>J Pathol</i> 204, 355-66. 5. Zatloukal, K. et al. (2004) <i>J Pathol</i> 204, 367-76. 6. Owens, D.W. and Lane, E.B. (2004) <i>J Pathol</i> 204, 377-85. | |

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| Species Reactivity | Species reactivity is determined by testing in at least one approved application (e.g., western blot). |
| Western Blot Buffer | IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight. |
| Applications Key | WB: Western Blotting IHC-P: Immunohistochemistry (Paraffin) |
| Cross-Reactivity Key | H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected |
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