

Product datasheet for **BM5043**

KRT6A Mouse Monoclonal Antibody [Clone ID: Ks6.KA12]

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | Ks6.KA12 |
| Applications: | IHC, WB |
| Recommended Dilution: | Immunoblotting (Western blot). Immunohistochemistry on Frozen and Paraffin Embedded Sections after formalin fixation (microwave treatment improves performance). After reconstitution, dilute the antibody further 1/10 with PBS for Immunohistochemical applications. <i>Incubation Time:</i> 1h at RT, extended with Paraffin. |
| Reactivity: | Human, Mouse |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Keratin K6 of Human callus cytoskeletal preparation. |
| Specificity: | The antibody is suitable for discrimination of keratinizing and non-keratinizing squamous cell carcinoma versus e. g. poorly differentiated adenocarcinoma. Clone Ks6.KA12 represents an excellent marker for non-keratinized squamous epithelia and proliferating cells of epidermis (e.g. within psoriatic lesions). Reacts with a Mr 56000 polypeptide (keratin K6, formerly also designated cytokeratin 6) of squamous epithelia. Tested Reactivities on Cultured Cell Lines: A-431, Detroit 562 and SCC-12. |
| Formulation: | PBS, pH 7.4 State: Purified State: Lyophilized purified Ig fraction Stabilizer: 0.5% BSA Preservative: 0.09% Sodium Azide |
| Reconstitution Method: | Restore in 1 ml distilled water. |
| Purification: | Affinity Chromatography on Protein A |
| Conjugation: | Unconjugated |



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| Storage: | Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | keratin 6A |
| Database Link: | Entrez Gene 3853 Human P02538 |
| Background: | <p>Keratins 6 and 16 are expressed in keratinocytes, which are undergoing rapid turnover in the suprabasal region (also known as hyperproliferation related keratins). Keratin 6 is found in hair follicles, neck squamous cell carcinomas, suprabasal cells of a variety of internal stratified epithelia, in epidermis, in both normal and hyperproliferative situations. Epidermal injury results in activation of keratinocytes which express CK6 and CK16. CK6 is strongly expressed in about 75% of head and neck squamous cell carcinomas. Expression of CK6 is particularly associated with differentiation.</p> <p>There are at least six isoforms of human type II keratin 6 (K6), K6A being the most abundant representing about 77% of all forms found in epithelia.</p> |
| Synonyms: | Cytokeratin 6, KRT-6, K6, KRT6A, KRT6D, KRT6B, KRT6C, KRT6E, KRTL1 |