

Product datasheet for **AP09552SU-N**

KRT6A Guinea Pig Polyclonal Antibody

Product data:

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|-----------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IF, IHC |
| Recommended Dilution: | Immunofluorescence. Immunohistochemistry on Frozen Sections: 1/100-1/200. Immunohistochemistry on Paraffin Sections: 1/100-1/200 (After Microwave treatment). Incubation Time: 1h at RT. Positive Control: Human psoriatic skin; rete ridges of foot sole. |
| Reactivity: | Human, Mouse |
| Host: | Guinea Pig |
| Clonality: | Polyclonal |
| Immunogen: | Synthetic peptide of human keratin K6 (formerly also designated cytokeratin 6; MAS TST TIR SHS S-C), coupled to KLH |
| Specificity: | MW 56,000 (pI 7.8) intermediate filament polypeptide, keratin K6, detected by immunohistochemistry in non-keratinized squamous epithelia and proliferating cells of epidermis (e.g. within psoriatic lesions). The antibody is completely negative on non-stratified epithelia. Suitable for discrimination of keratinizing and non-keratinizing squamous cell carcinoma versus e.g. poorly differentiated adenocarcinoma. |
| Formulation: | State: Serum State: Liquid Serum Preservative: 0.09% Sodium Azide |
| Conjugation: | Unconjugated |
| Storage: | Store undiluted at 2-8°C. DO NOT FREEZE! |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | keratin 6A |
| Database Link: | Entrez Gene 16687 Mouse Entrez Gene 3853 Human P02538 |



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Background:

Keratin 6 is 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. 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.

Synonyms:

Cytokeratin 6, KRT-6, K6, KRT6A, KRT6D, KRT6B, KRT6C, KRT6E, KRTL1