

Cytokeratin 6 (KRT6) (Hyperproliferation-Related Keratin) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone SPM269]
Catalog # AH10548

Specification**Cytokeratin 6 (KRT6) (Hyperproliferation-Related Keratin) Antibody - With BSA and Azide - Product Information**

Application	IHC-P, IF, FC
Primary Accession	P02538
Other Accession	3853-KRT6A , 3854-KRT6B , 286887-KRT6C , 700779 , P04259 , P48668
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG2a, kappa
Calculated MW	56kDa kDa

Cytokeratin 6 (KRT6) (Hyperproliferation-Related Keratin) Antibody - With BSA and Azide - Additional Information

Gene ID 3853

Other Names

Keratin, type II cytoskeletal 6A, Cytokeratin-6A, CK-6A, Cytokeratin-6D, CK-6D, Keratin-6A, K6A, Type-II keratin Kb6, Hom s 5, KRT6A, K6A, KRT6D

Application Note

IHC-P~~N/A
IF~~1:50~200
FC~~1:10~50

Format

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage

Store at 2 to 8°C. Antibody is stable for 24 months.

Precautions

Cytokeratin 6 (KRT6) (Hyperproliferation-Related Keratin) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

Cytokeratin 6 (KRT6) (Hyperproliferation-Related Keratin) Antibody - With BSA and Azide - Protein Information

Name KRT6A

Synonyms K6A, KRT6D

Function

Epidermis-specific type I keratin involved in wound healing. Involved in the activation of follicular keratinocytes after wounding, while it does not play a major role in keratinocyte proliferation or migration. Participates in the regulation of epithelial migration by inhibiting the activity of SRC during wound repair.

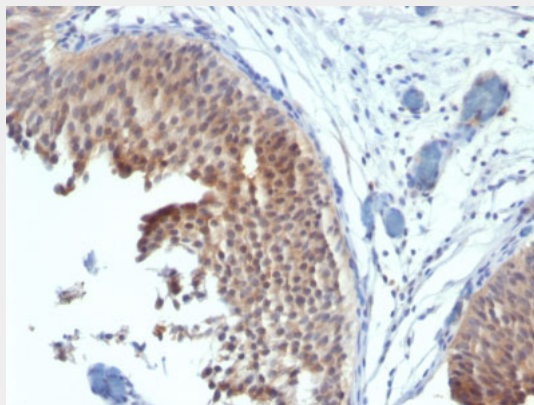
Tissue Location

Expressed in the corneal epithelium (at protein level).

Cytokeratin 6 (KRT6) (Hyperproliferation-Related Keratin) Antibody - With BSA and Azide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Cytokeratin 6 (KRT6) (Hyperproliferation-Related Keratin) Antibody - With BSA and Azide - Images

Formalin-fixed, paraffin-embedded human Bladder Carcinoma stained with Cytokeratin 6 Monoclonal Antibody (SPM269)

Cytokeratin 6 (KRT6) (Hyperproliferation-Related Keratin) Antibody - With BSA and Azide - Background

This MAb recognizes a protein of 56kDa, identified as cytokeratin 6 (CK6). In humans, multiple isoforms of Cytokeratin 6 (6A-6F), encoded by several highly homologous genes, have distinct tissue expression patterns, and Cytokeratin 6A is the dominant form in epithelial tissue. The gene encoding human Cytokeratin 6A maps to chromosome 12q13, and mutations in this gene are linked to several inheritable hair and skin pathologies. Keratins 6 and 16 are expressed in keratinocytes, which are undergoing rapid turnover in the suprabasal region (also known as hyper-proliferation-related keratins). Keratin 6 is found in hair follicles, suprabasal cells of a variety of internal stratified epithelia, in epidermis, in both normal and hyper-proliferative 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.

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- References**

Wetzels RH, et. al. American Journal of Pathology, 1991, 138(3):751-63