

# Cytokeratin, Multi (Epithelial Marker) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone KRT/457 ]

Catalog # AH12920

## Product Information

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<b>Application</b>	WB, IF, FC, IHC-P
<b>Primary Accession</b>	<a href="#">P02538</a>
<b>Other Accession</b>	<a href="#">3851 (CK4)</a> , <a href="#">3852 (CK5)</a> , <a href="#">3853 (CK6A)</a> , <a href="#">3854 (CK6B)</a> , <a href="#">286887 (CK6C)</a> , <a href="#">3856 (CK8)</a> , <a href="#">3858 (CK10)</a> , <a href="#">3860 (CK13)</a> , <a href="#">3875 (CK18) (Human)</a> , <a href="#">P04259 (CK6B)</a> , <a href="#">P13647 (CK5)</a> , <a href="#">P19013 (CK4)</a> , <a href="#">P48668 (CK6C)</a>
<b>Reactivity</b>	Human, Mouse, Rat, Monkey, Pig, Goat, Bovine, Guinea Pig
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	Mouse / IgG1
<b>Clone Names</b>	KRT/457
<b>Calculated MW</b>	60045

## Additional Information

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<b>Gene ID</b>	3853
<b>Other Names</b>	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
<b>Application Note</b>	WB~~1:1000 IF~~1:50~200 FC~~1:10~50 IHC-P~~N/A
<b>Storage</b>	Store at 2 to 8°C.Antibody is stable for 24 months.
<b>Precautions</b>	Cytokeratin, Multi (Epithelial Marker) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	KRT6A
<b>Synonyms</b>	K6A, KRT6D
<b>Function</b>	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.
<b>Tissue Location</b>	Expressed in the corneal epithelium (at protein level).

## Background

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Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. This antibody recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, including 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 52kDa (CK8); 56.5kDa (CK10); 53kDa (CK13) and 45kDa (CK18). This is a broad-spectrum antibody, which has been reported to differentiate epithelial tumors from non-epithelial tumors. Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis.

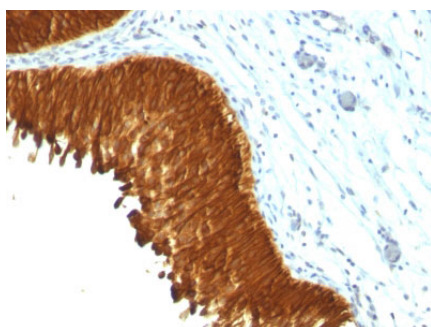
## References

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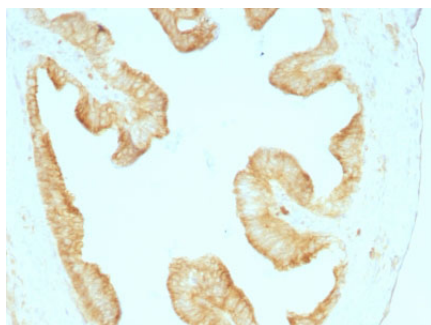
Bartek J et. al. J Pathol, 1991, 164(3):215-24. ,Kasper M. Histochemistry, 1991, 95(6):613-20

## Images

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Formalin-fixed, paraffin-embedded human Bladder Carcinoma stained with Multi Cytokeratin Monoclonal Antibody (KRT/457).



Formalin-fixed, paraffin-embedded Rat Oviduct stained with Multi Cytokeratin Monoclonal Antibody (KRT/457).

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