

Cytokeratin 5/8 Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone SPM268] Catalog # AH12917

Product Information

Application WB, IF, FC, IHC-P

Primary Accession P13647

Other Accession 3852 (CK5), 3856 (CK8), 433845 (CK5), 533782, 708445 (CK8), P05787 (CK8)

Reactivity Human, Mouse, Rat, Hamster, Pig, Bovine, Sheep, Dog

Host Mouse **Clonality** Monoclonal

Isotype Mouse / IgG1, kappa

Clone Names SPM268 Calculated MW 62378

Additional Information

Gene ID 3852

Other Names Keratin, type II cytoskeletal 5, 58 kDa cytokeratin, Cytokeratin-5, CK-5,

Keratin-5, K5, Type-II keratin Kb5, KRT5

Application Note WB~~1:1000 IF~~1:50~200 FC~~1:10~50 IHC-P~~N/A

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

Precautions Cytokeratin 5/8 Antibody - With BSA and Azide is for research use only and

not for use in diagnostic or therapeutic procedures.

Protein Information

Name KRT5

Function Required for the formation of keratin intermediate filaments in the basal

epidermis and maintenance of the skin barrier in response to mechanical stress (By similarity). Regulates the recruitment of Langerhans cells to the epidermis, potentially by modulation of the abundance of macrophage chemotactic cytokines, macrophage inflammatory cytokines and CTNND1

localization in keratinocytes (By similarity).

Cellular Location Cytoplasm.

Tissue Location Expressed in corneal epithelium (at protein level) (PubMed:26758872).

Expressed in keratinocytes (at protein level) (PubMed:20128788,

PubMed:31302245).

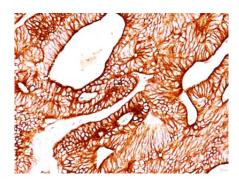
Background

It reacts with keratin 5 (58kDa) and keratin 8 (52.5kDa). Simple epithelia express cytokeratin 8 in combination with 18. On the other hand, basal cells of stratified epithelia express cytokeratin 5 paired with 14. This antibody therefore, reacts with a wide range of epithelia and their carcinomas.

References

Vojt □ □ ek et al. Folia Biol. 37(3-4): 197-206 (1991). | Bartkova et al. Neoplasma 38(4), 439-46 (1991). | Bartek et al. J. of Pathology 164, 215-24 (1991). | Kova □ k et al. J. Tumor Marker Oncol. 5, 219 (1990). |

Images



Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Cytokeratin 5/8 Monoclonal Antibody (SPM268).

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