

**Cytokeratin 5/8 Antibody - With BSA and Azide**  
**Mouse Monoclonal Antibody [Clone C-50 ]**  
**Catalog # AH12914**

**Specification**

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**Cytokeratin 5/8 Antibody - With BSA and Azide - Product Information**

|                   |  |
|-------------------|--|
| Application       | ,1,14,3,4,   |
| Primary Accession | <a href="#">P13647</a>   |
| Other Accession   | <a href="#">3852 (CK5)</a> , <a href="#">3856 (CK8)</a> , <a href="#">433845 (CK5)</a> , <a href="#">533782</a> ,<br><a href="#">708445 (CK8)</a> , <a href="#">P05787 (CK8)</a> |
| Reactivity        | Human, Mouse, Rat, Hamster, Pig, Bovine,<br>Sheep, Dog   |
| Host              | Mouse  |
| Clonality         | Monoclonal   |
| Isotype           | Mouse / IgG1, kappa  |
| Calculated MW     | 58kDa (CK5); 52.5kDa (CK8) KDa   |

**Cytokeratin 5/8 Antibody - With BSA and Azide - 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

**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.

**Cytokeratin 5/8 Antibody - With BSA and Azide - 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

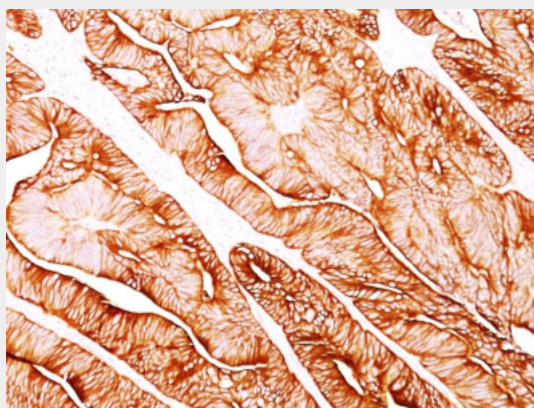
(at protein level) (PubMed:20128788, PubMed:31302245).

### **Cytokeratin 5/8 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 5/8 Antibody - With BSA and Azide - Images**



Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Cytokeratin 5/8 Monoclonal Antibody (C50).

### **Cytokeratin 5/8 Antibody - With BSA and Azide - 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.

### **Cytokeratin 5/8 Antibody - With BSA and Azide - References**

Vojtěšek et al. Folia Biol. 37(3-4): 197-206 (1991). | Bortkov et al. Neoplasma 38(4), 439-46 (1991). | Bortek et al. J. of Pathology 164, 215-24 (1991). | Kovařík et al. J. Tumor Marker Oncol. 5, 219 (1990)