10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Cytokeratin, Basic (Type II or HMW) (Epithelial Marker) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone SPM591]
Catalog # AH13023

Specification

Cytokeratin, Basic (Type II or HMW) (Epithelial Marker) Antibody - With BSA and Azide - Product Information

Application	**,1,2,3,4,**
Primary Accession	P04264
Other Accession	3848 (CK1), 3852 (CK5), 3858 (CK10), 3861 (CK14), P13647 (CK5), P13645 (CK10), P02533 (CK14)
Reactivity	**Human, Mouse, Rat**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse / IgG1, kappa**
Calculated MW	**67kDa (CK1); 58kDa (CK5); 56.5kDa (CK10); 50kDa (CK14) KDa**

Cytokeratin, Basic (Type II or HMW) (Epithelial Marker) Antibody - With BSA and Azide - Additional Information

Gene ID 3848

Other Names
Keratin, type II cytoskeletal 1, 67 kDa cytokeratin, Cytokeratin-1, CK-1, Hair alpha protein, Keratin-1, K1, Type-II keratin Kb1, KRT1, KRTA

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

Precautions
Cytokeratin, Basic (Type II or HMW) (Epithelial Marker) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

Cytokeratin, Basic (Type II or HMW) (Epithelial Marker) Antibody - With BSA and Azide - Protein Information

Name KRT1

Synonyms KRTA

Function
May regulate the activity of kinases such as PKC and SRC via binding to integrin beta-1 (ITB1) and the receptor of activated protein C kinase 1 (RACK1). In complex with C1QBP is a high affinity receptor for kininogen-1/HMWK.

Cellular Location

Cell membrane. Cytoplasm

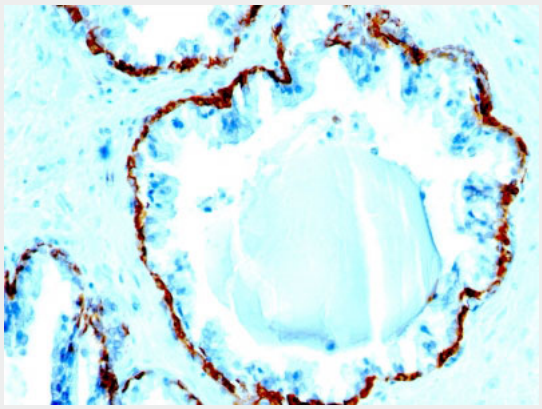
Tissue Location
The source of this protein is neonatal foreskin. The 67-kDa type II keratins are expressed in terminally differentiating epidermis

Cytokeratin, Basic (Type II or HMW) (Epithelial Marker) 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 Cytomety
- Cell Culture

Cytokeratin, Basic (Type II or HMW) (Epithelial Marker) Antibody - With BSA and Azide - Images



Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Cytokeratin, HMW Monoclonal Antibody (SPM591).

Cytokeratin, Basic (Type II or HMW) (Epithelial Marker) Antibody - With BSA and Azide - Background

This antibody recognizes CK1, CK5, CK10 and CK14. In normal epithelia, it stains stratified epithelia, myoepithelial cells and basal cells in the prostate gland and bronchi. This MAb shows no reactivity with hepatocytes, pancreatic acinar cells, proximal renal tubules, or endometrial glands; there is no reactivity with cells derived from simple epithelia. Mesenchymal tumors, lymphomas, melanomas, neural tumors, and neuroendocrine tumors are negative with this antibody. It stains myoepithelial cells and has been shown to be useful in distinguishing prostate adenocarcinoma from benign prostate. This antibody has also been useful in separating benign from malignant intraductal breast proliferations.

Cytokeratin, Basic (Type II or HMW) (Epithelial Marker) Antibody - With BSA and Azide - References

Moinfar F et. al. Am J Surg Pathol 1999;23(9):1048-58,2. Varma M et. al. Mod Pathol 1999;12(5):472-