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

Cytokeratin 8/18 Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone C-51]
Catalog # AH12929

Product Information

Application	WB, IHC, IF, FC
Primary Accession	P05787
Other Accession	3856 (CK8), 3875 (CK18), 533782, 708445 (CK8), 406013 (CK18), P05783 (CK18)
Reactivity	Human, Monkey, Pig, Bovine, Sheep
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1, kappa
Clone Names	C-51
Calculated MW	53704

Additional Information

Gene ID	3856
Other Names	Keratin, type II cytoskeletal 8, Cytokeratin-8, CK-8, Keratin-8, K8, Type-II keratin Kb8, KRT8, CYK8
Application Note	WB~~1:1000 IHC~~1:100~500 IF~~1:50~200 FC~~1:10~50
Storage	Store at 2 to 8°C.Antibody is stable for 24 months.
Precautions	Cytokeratin 8/18 Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	KRT8
Synonyms	CYK8
Function	Together with KRT19, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.
Cellular Location	Cytoplasm. Nucleus, nucleoplasm {ECO:0000250|UniProtKB:Q10758}. Nucleus matrix {ECO:0000250|UniProtKB:Q10758}
Tissue Location	Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma membrane in structures that contain dystrophin and spectrin. Expressed in gingival mucosa and hard palate of the oral cavity.

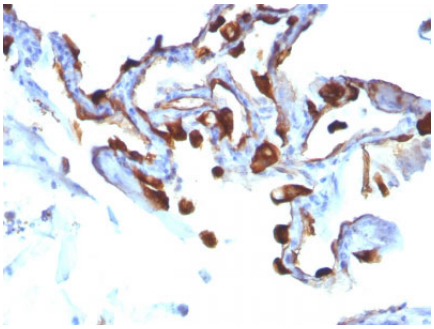
Background

Cytokeratin 8 (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). This MAb recognizes all simple epithelia including glandular epithelium, for example thyroid, female breast, gastrointestinal tract, respiratory tract, and urogenital tract including transitional epithelium. All adenocarcinomas and most squamous carcinomas are positive but keratinizing squamous carcinomas are usually negative. This antibody is useful in demonstrating the presence of Paget cells; there is very little keratin 18 in the normal epidermis so only Paget cells are stained.

References

Bartek et al. J. Pathology,164:215-24 (1991). | Bartkova et al. Neoplasma 38(4), 439-46 (1991). |

Images



Formalin-fixed, paraffin-embedded human Lung Carcinoma stained with Cytokeratin 8/18 Monoclonal Antibody (C-51).