10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Anti-Cytokeratin 8/18 Antibody
Mouse Monoclonal Antibody
Catalog # AH13682

Specification

Anti-Cytokeratin 8/18 Antibody - Product Information

Application	**,1,14,3,4,**
Primary Accession	P05787
Other Accession	433845 (CK5), 533782, 708445 (CK8), 3856 (CK8), P05783 (CK18)
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse / IgG1, kappa**
Calculated MW	**53704**

Anti-Cytokeratin 8/18 Antibody - Additional Information

Gene ID 3856

Other Names
CARD2; CK8; CYK8; CYKER; Cytokeratin Endo A; DreK8; EndoA; K2C8; K8; Keratin 8; Krt 2.8; KRT8; Type-II Keratin Kb8. Cell Proliferation-inducing Gene 46 Protein; CK18; CYK18 Cytokeratin Endo B; K18; Keratin-18; Kerd; KRT18

Format
200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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

Precautions
Anti-Cytokeratin 8/18 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-Cytokeratin 8/18 Antibody - 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}

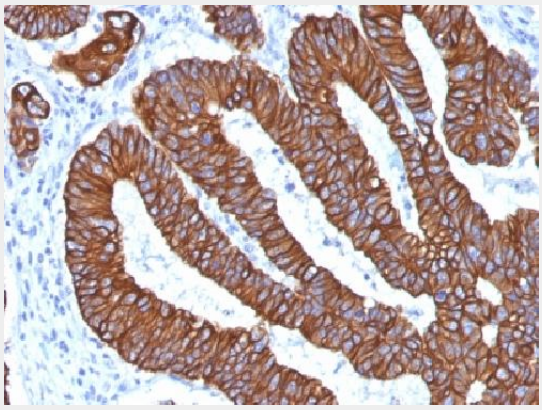
Tissue Location
Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma membrane in structures that contain dystrophin and spectrin. Expressed in gingival mucosa and hard palate of the oral cavity.

Anti-Cytokeratin 8/18 Antibody - Protocols

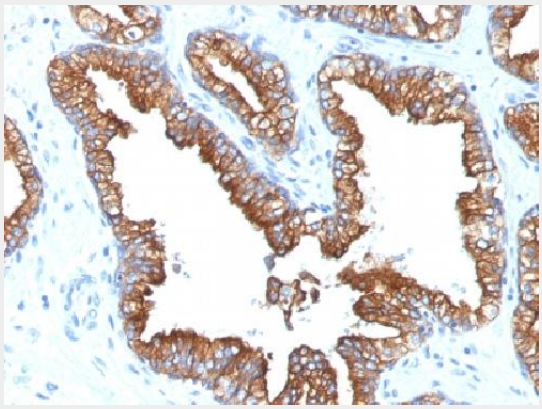
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Cytokeratin 8/18 Antibody - Images



Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Cytokeratin 8/18 Monoclonal Antibody (KRT8.18/1346).



Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Cytokeratin 8/18 Monoclonal Antibody (KRT8.18/1346).

Anti-Cytokeratin 8/18 Antibody - Background

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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.