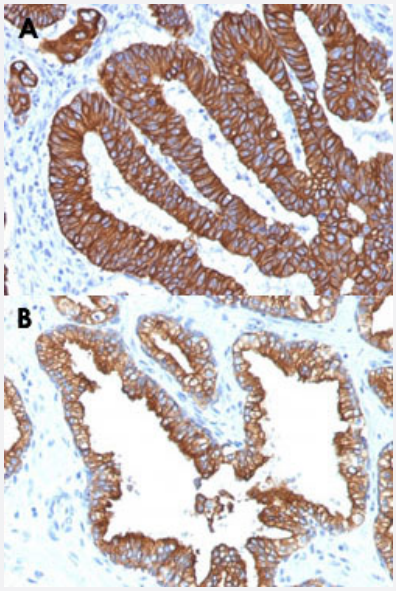
KRT8/KRT18 monoclonal antibody, clone KRT8.18/1346

Catalog # MAB15102 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human colon carcinoma (A) and human prostate carcinoma (B) with KRT8/KRT18 monoclonal antibody, clone KRT8.18/1346 (Cat # MAB15102).

Specification

Product Description	Mouse monoclonal antibody raised against native human KRT8/KRT18.
Immunogen	Cytoskeleton preparation from HeLa cells.
Host	Mouse
Theoretical MW (kDa)	52.5, 45
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa

Recommend Usage	Flow Cytometry (0.5-1 ug/10^6 cells) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) Western Blotting (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human colon carcinoma (A) and human prostate carcinoma (B) with KRT8/KRT18 monoclonal antibody, clone KRT8.18/1346 (Cat # MAB15102).
- Immunofluorescence
- Flow Cytometry

Gene Info — KRT8

Entrez GeneID	3856
Protein Accession#	P05787;P05783
Gene Name	KRT8
Gene Alias	CARD2, CK8, CYK8, K2C8, K8, KO
Gene Description	keratin 8
Omim ID	148060 215600
Gene Ontology	Hyperlink

Gene Summary	This gene is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. The product of this gene typically dimerizes with keratin 18 to form an intermediate filament in simple single-layered epithelial cells. This protein plays a role in maintaining cellular structural integrity and also functions in signal transduction and cellular differentiation. Mutations in this gene cause cryptogenic cirrhosis. [provided by RefSeq
Other Designations	cytokeratin 8|keratin, type II cytoskeletal 8

Gene Info — KRT18

Entrez GeneID	3875
Protein Accession#	P05787;P05783
Gene Name	KRT18
Gene Alias	CYK18, K18
Gene Description	keratin 18
Omim ID	148070 215600
Gene Ontology	Hyperlink
Gene Summary	KRT18 encodes the type I intermediate filament chain keratin 18. Keratin 18, together with its filament partner keratin 8, are perhaps the most commonly found members of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in this gene have been linked to cryptogenic cirrhosis. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq
Other Designations	cell proliferation-inducing protein 46|cytokeratin 18

Publication Reference

- A series of 14 new monoclonal antibodies to keratins: characterization and value in diagnostic histopathology.

  Bártek J, Vojtěsek B, Stasková Z, Bártková J, Kerekés Z, Rejthar A, Kovarík J.

  The Journal of Pathology 1991 Jul; 164(3):215.

- Effects of tissue fixation conditions and protease pretreatment on immunohistochemical performance of a large series of new anti-keratin monoclonal antibodies: value in oncopathology.

  Bártková J, Bártek J, Lukás Z, Vojtěsek B, Stasková Z, Bursová H, Pavlovská R, Rejthar A, Kovarík J.

  Neoplasma 1991 Feb; 38(4):439.

Pathway

- Pathogenic Escherichia coli infection - EHEC

Disease

- Alzheimer disease
- Cerebral Amyloid Angiopathy
- Chronic Disease
- Cleft Lip
- Cleft Palate
- Disease Progression
- Drug-Induced Liver Injury
- Drug-Induced Liver Injury
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Hepatitis C
- Inflammatory Bowel Diseases
- Liver Cirrhosis
- Liver Cirrhosis
- Liver Failure
- Liver Failure
- Neuroblastoma

- Pancreatitis