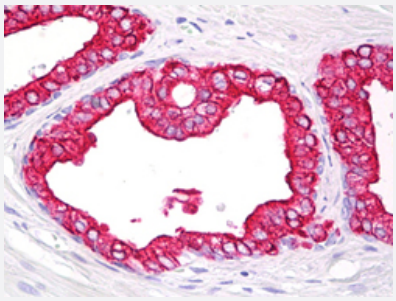
KRT5/KRT18 monoclonal antibody, clone C-50

Catalog # MAB16294 Size 50 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human prostate with KRT5/KRT18 monoclonal antibody, clone C-50 (Cat # MAB16294).

Specification

Product Description	Mouse monoclonal antibody raised against human KRT5/KRT18.
Immunogen	Cytoskeleton preparation from Hela cells.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Isotype	IgG1
Recommend Usage	Immunocytochemistry Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (10 ug/mL) Immunoprecipitation Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide).

Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
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 prostate with KRT5/KRT18 monoclonal antibody, clone C-50 (Cat # MAB16294).
- Immunocytochemistry
- Immunoprecipitation

Gene Info — KRT5

Entrez GeneID	3852
Protein Accession#	P13647;P05783
Gene Name	KRT5
Gene Alias	CK5, DDD, EBS2, K5, KRT5A
Gene Description	keratin 5
Omim ID	131800 131960 148040 179850
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coex pressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is s pecifically expressed in the basal layer of the epidermis with family member KRT14. Mutations in t hese genes have been associated with a complex of diseases termed epidermolysis bullosa sim plex. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [provided by R efSeq
Other Designations	58 kda cytokeratin|epidermolysis bullosa simplex 2 Dowling-Meara/Kobner/Weber-Cockayne typ es|keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)|ker atin, type II cytoskeletal 5

Gene Info — KRT18

Entrez GeneID	3875
Protein Accession#	P13647;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

Pathway

- Pathogenic Escherichia coli infection - EHEC

Disease

- Brain Ischemia
- Carcinoma
- Cardiovascular Diseases
- Cleft Lip
- Cleft Palate
- Coronary Artery Disease
- Coronary Disease
- Drug-Induced Liver Injury

- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Liver Cirrhosis
- Liver Failure
- Melanoma
- Myocardial Infarction
- Skin Neoplasms
- Stroke