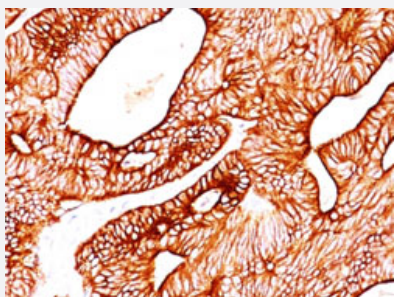


KRT5/KRT8 monoclonal antibody, clone SPM268

Catalog # MAB13198

Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human colon cancer with KRT5/KRT8 monoclonal antibody, clone SPM268 (Cat # MAB13198).

Specification

Product Description	Mouse monoclonal antibody raised against native human KRT5/KRT8.
Immunogen	Cytoskeletal preparation from HeLa cells.
Host	Mouse
Theoretical MW (kDa)	58, 52.5
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10 ⁶ cells in 0.1 mL) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS, pH 7.4.

Storage Instruction

Store at 4°C.

Applications

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human colon cancer with KRT5/KRT8 monoclonal antibody, clone SPM268 (Cat # MAB13198).

- Immunofluorescence
- Flow Cytometry

Gene Info — KRT5

Entrez GeneID [3852](#)

Protein Accession# [P13647;P05787](#)

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 coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14. Mutations in these genes have been associated with a complex of diseases termed epidermolysis bullosa simplex. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [provided by RefSeq]

Other Designations 58 kda cytokeratin|epidermolysis bullosa simplex 2 Dowling-Meara/Kobner/Weber-Cockayne types|keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)|keratin, type II cytoskeletal 5

Gene Info — KRT8

Entrez GeneID [3856](#)

Protein Accession# [P13647;P05787](#)

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

Disease

- [Alzheimer disease](#)
- [Brain Ischemia](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cerebral Amyloid Angiopathy](#)
- [Chronic Disease](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Disease Progression](#)
- [Drug-Induced Liver Injury](#)

- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Inflammatory Bowel Diseases](#)
- [Liver Cirrhosis](#)
- [Liver Failure](#)
- [Melanoma](#)
- [Myocardial Infarction](#)
- [Neuroblastoma](#)
- [Pancreatitis](#)
- [Skin Neoplasms](#)
- [Stroke](#)