

Product Name: CK19(11F5)Mouse Monoclonal Antibody
Catalog #: AMM08856



Summary

Production Name	CK19(11F5)Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	IHC-P,IF-P,IF-F,ICC/IF
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	PBS, pH 7.4, containing 0.5%BSA, 0.02% New type preservative N as Preservative and 50% Glycerol.
Purification	Affinity purification

Immunogen

Gene Name	KRT19
Alternative Names	KRT19; Keratin, type I cytoskeletal 19; Cytokeratin-19; CK-19; Keratin-19; K19
Gene ID	3880.0
SwissProt ID	P08727. Synthetic Peptide of CK19

Application

Dilution Ratio	IHC-P 1:100-500, IF-P/IF-F/ICC/IF/ICC 1:100-500
Molecular Weight	44kDa

Background

The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins

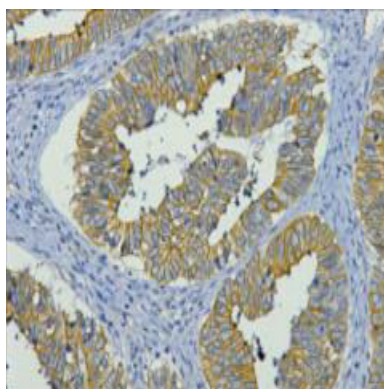
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responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21. [provided by RefSeq, Jul 2008],developmental stage:Present in hair follicles at all stages of development.,domain:This keratin differs from all other IF proteins in lacking the C-terminal tail domain.,function:Involved in the organization of myofibers. Together with KRT8, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.,miscellaneous:There are two types of cytoskeletal and microfibrillar keratin: I (acidic; 40-55 kDa) and II (neutral to basic; 56-70 kDa),similarity:Belongs to the intermediate filament family.,subunit:Heterotetramer of two type I and two type II keratins. Interacts with PNN and the actin-binding domain of DMD. Interacts with HCV core protein.,tissue specificity:Expressed in a defined zone of basal keratinocytes in the deep outer root sheath of hair follicles. Also observed in sweat gland and mammary gland ductal and secretory cells, bile ducts, gastrointestinal tract, bladder urothelium, oral epithelia, esophagus, ectocervical epithelium (at protein level). Expressed in epidermal basal cells, in nipple epidermis and a defined region of the hair follicle. Also seen in a subset of vascular wall cells in both the veins and artery of human umbilical cord, and in umbilical cord vascular smooth muscle. Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma in structures that contain dystrophin and spectrin.,

Research Area

Image Data



IHC staining of human colon cancer tissue, diluted at 1:200.

Note

For research use only.