

Rabbit Anti-Cytokeratin 19/AP Conjugated antibody

SL2190R-AP

Product Name	Anti-Cytokeratin 19/AP
Chinese Name	碱性磷酸酶（AP）标记的细胞角蛋白 19 抗体
Alias	40 kDa keratin intermediate filament; CK 19; ck19; CK19; CK-19; KRT19; Cytokeratin 19; Cytokeratin-19; k19; k1cs; Keratin 19; Keratin-19; Keratin type I 40 kD; Keratin type i 40kD; Keratin type I cytoskeletal 19; krt19; mgc15366; K1C19_HUMAN; Keratin, type I cytoskeletal 19; Keratin, type I, 40 kd.
Research Area	Tumour Stem cells
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human(predicted:Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit) WB=1:50-200 IHC-P=1:50-200 IHC-F=1:50-200
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	44kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Cytokeratin 19.
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins 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.

Function:

Involved in the organization of myofibers. Together with KRT8, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.

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.

Similarity:

Belongs to the intermediate filament family.

Database links:

[Entrez Gene: 3880](#) Human

[Entrez Gene: 16669](#) Mouse

[Omim: 148020](#) Human

[SwissProt: P08727](#) Human

[SwissProt: P19001](#) Mouse

[Unigene: 654568](#) Human

[Unigene: 439699](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

结构蛋白 (Structural Proteins)

CK-19 细胞角蛋白-19(又称 CYFRa21-1)主要用于 Tumour 方面的研究,近年来大多用于消化系统恶性 Tumour 的鉴别,有学者认为:CK-19 在胰腺 Stem cells 分化过程中有细胞角蛋白 19 的表达,把细胞角蛋白 19 作为胰腺 Stem cells 的 Maker。阳性部位:主要在胞浆。