



Rabbit Anti-Cytokeratin 19 antibody

SL2190R

Product Name:	Cytokeratin 19
Chinese Name:	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.
文献引用 PubMed :	<p>Specific References(2) SL2190R has been referenced in 2 publications.</p> <p>[IF=2.24]Chen, Xiaodong, et al. "The effect of porcine ADM to improve the burn wound healing." Int J Clin Exp Pathol 6.11 (2013): 2280-2291.WB;Rat. PubMed:24228089</p> <p>[IF=1.28]Chen, Jia, et al. "Biological characterization of metanephric mesenchymal stem cells from the Beijing duck." Experimental and Therapeutic Medicine 11.2 (2016): 439-447.IF(ICC);Other Species. PubMed:26893628</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1µg/testIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	44kDa
Cellular localization:	cytoplasmicThe cell membraneExtracellular matrix
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Cytokeratin 19.:101-200/403

Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>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.</p> <p>Function: Involved in the organization of myofibers. Together with KRT8, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.</p> <p>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.</p> <p>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.</p> <p>Similarity: Belongs to the intermediate filament family.</p> <p>SWISS: P08727</p> <p>Gene ID: 3880</p> <p>Database links:</p>

[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.

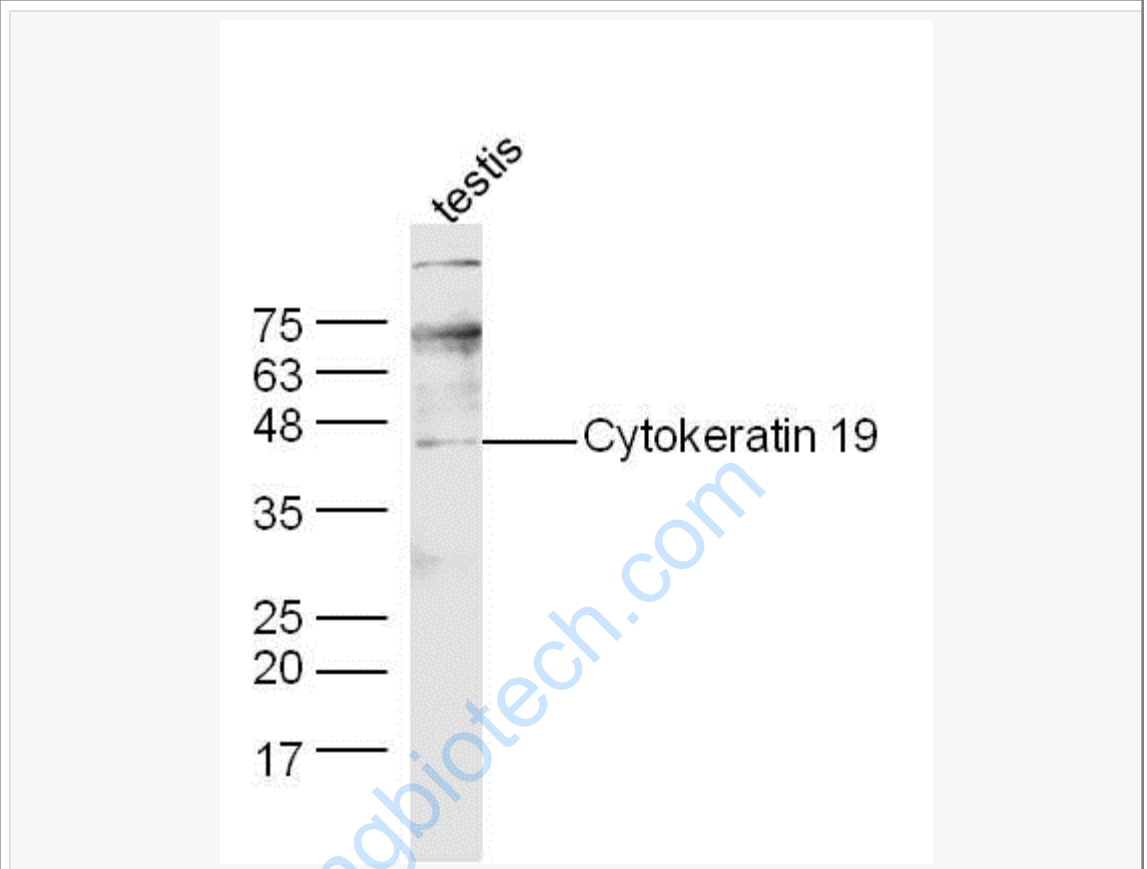
结构蛋白 (Structural Proteins)

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。

Picture:



Sample:

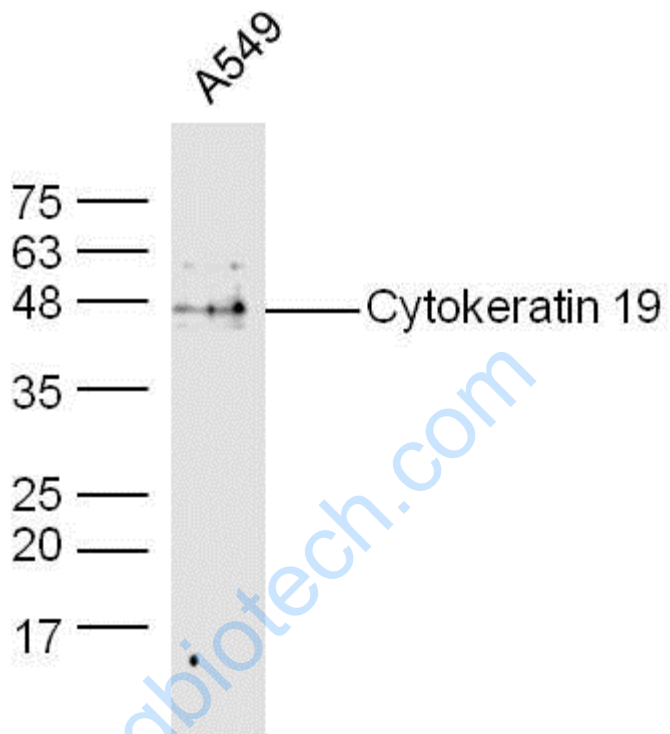
testis (Mouse) Lysate at 40 ug

Primary: Anti-Cytokeratin 19 (SL2190R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 44 kD

Observed band size: 47 kD



Sample:

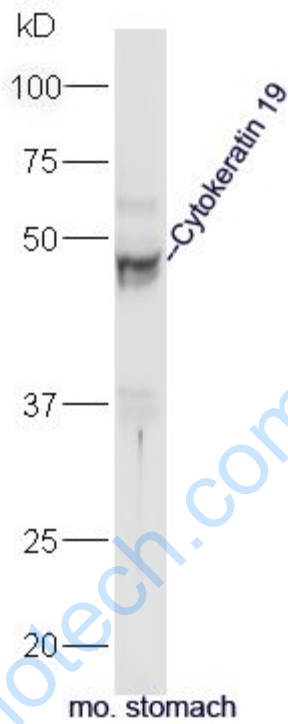
A549 Cell (Human) Lysate at 30 ug

Primary: Anti-Cytokeratin 19 (SL2190R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 44 kD

Observed band size: 47 kD



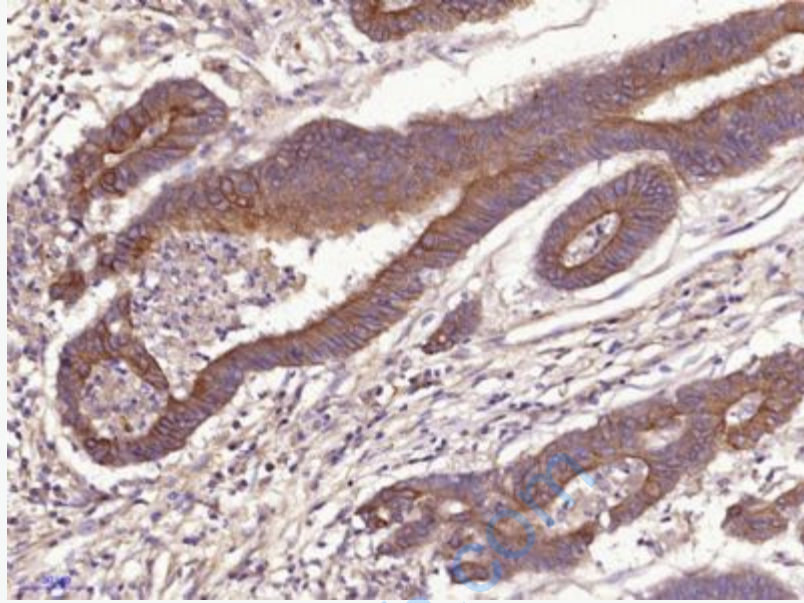
Sample: Stomach(Mouse) lysate at 30ug;

Primary: Anti-Cytokeratin 19 (SL2190R) at 1:300 dilution;

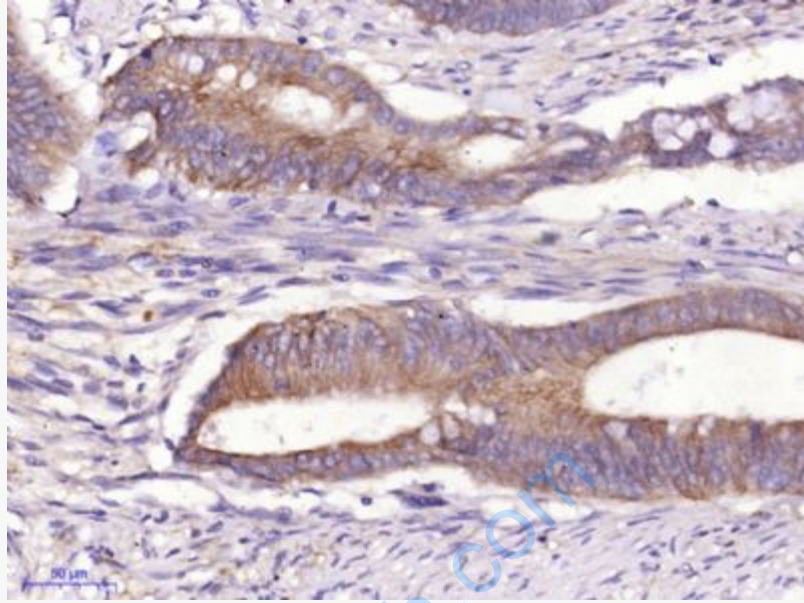
Secondary: HRP conjugated Goat-Anti-rabbit IgG(SL2190R) at 1: 5000 dilution;

Predicted band size: 44 kD

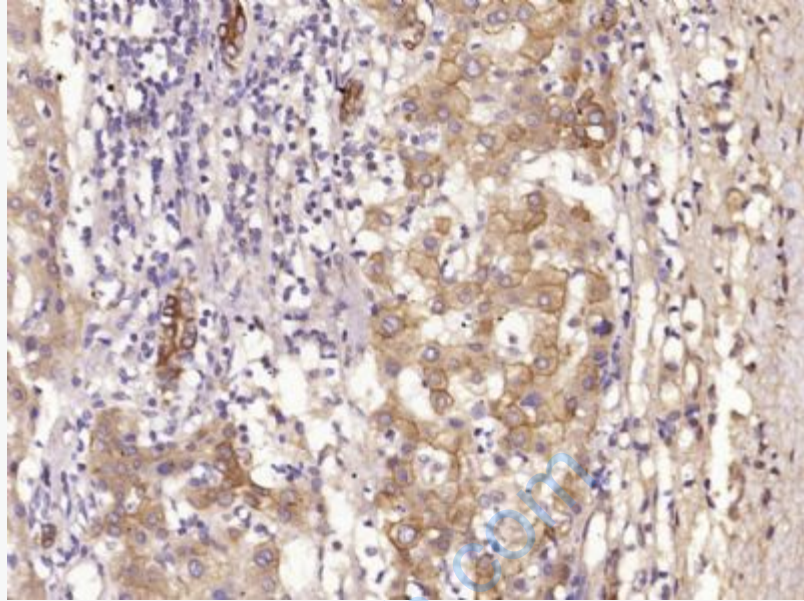
Observed band size: 44 kD



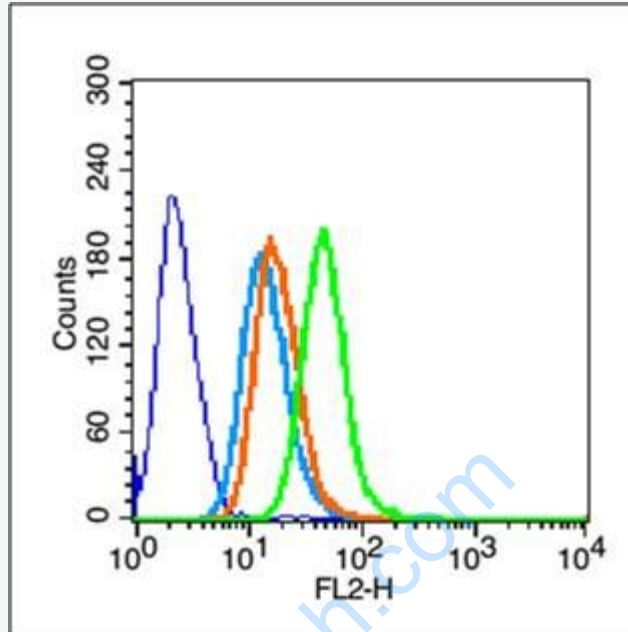
Paraformaldehyde-fixed, paraffin embedded (Human stomach carcinoma); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (Cytokeratin 19) Polyclonal Antibody, Unconjugated (SL2190R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human cervical carcinoma); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (Cytokeratin 19) Polyclonal Antibody, Unconjugated (SL2190R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human liver carcinoma); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (Cytokeratin 19) Polyclonal Antibody, Unconjugated (SL2190R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.

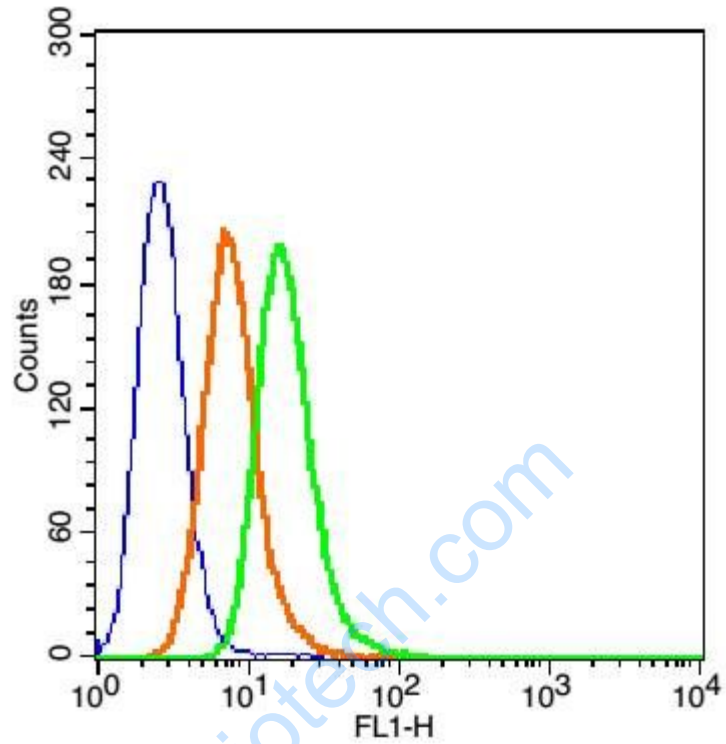


Blank control (blue line): HeLa (fixed with 70% methanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C).

Primary Antibody (green line): Rabbit Anti-Cytokeratin 19 antibody (SL2190R), Dilution: 1µg /10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE, Dilution: 1µg /test.



Blank control(blue): MCF7(fixed with 2% paraformaldehyde (10 min) and then permeabilized with ice-cold 90% methanol for 30 min on ice).

Primary Antibody: Rabbit Anti-Cytokeratin 19/FITC Conjugated antibody (SL2190R), Dilution: 1 μ g in 100 μ L 1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG/FITC(orange) ,used under the same conditions.