



## Rabbit Anti-Cytokeratin 7 antibody

SL1744R

<b>Product Name:</b>	Cytokeratin 7
<b>Chinese Name:</b>	细胞角蛋白7抗体
<b>Alias:</b>	CK 7; CK-7; ck7; Cytokeratin 7; Cytokeratin-7; Cytokeratin7; D15Wsu77e; K2C7; K2C7_HUMAN; K7; Keratin 55k type ii cytoskeletal; Keratin 7; Keratin simple epithelial type 1 k7; Keratin type II cytoskeletal 7; Keratin type ii cytoskeletal 7; Keratin, 55K type II cytoskeletal; Keratin, simple epithelial; Keratin, simple epithelial type I, K7; Keratin, type II cytoskeletal 7; Keratin-7; Keratin7; KRT 7; Krt2-7; KRT7; MGC11625; MGC129731; mgc3625; Sarcolectin; SCL; Type ii mesothelial keratin k7; Type-II keratin Kb7
<b>文献引用</b> <b>PubMed</b> :	<b>Specific References(1)</b>  SL1744R has been referenced in 1 publications. <b>[IF=2.24]</b> Zhang, Ni-Ni, et al. "Functional regeneration of irradiated salivary glands with human amniotic epithelial cells transplantation." International Journal of Clinical and Experimental Pathology? 6.10 (2013): 2039-2047. <b>Mouse</b> . <a href="#">PubMed:24133581</a>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	54kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from the middle of mouse CK7:251-350/469
<b>Lsotype:</b>	IgG

<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>Cytokeratins are a subfamily of intermediate filament proteins and are characterized by a remarkable biochemical diversity, represented in human epithelial tissues by at least 20 different polypeptides. They range in molecular weight between 40 kDa and 68 kDa and isoelectric pH between 4.9 – 7.8. The individual human cytokeratins are designated 1 to 20. The various epithelia in the human body usually express cytokeratins which are not only characteristic of the type of epithelium, but also related to the degree of maturation or differentiation within an epithelium. Cytokeratin subtype expression patterns are used to an increasing extent in the distinction of different types of epithelial malignancies. The cytokeratin antibodies are not only of assistance in the differential diagnosis of tumors using immunohistochemistry on tissue sections, but are also a useful tool in cytopathology and flow cytometric assays.</p> <p><b>Function:</b> Blocks interferon-dependent interphase and stimulates DNA synthesis in cells. Involved in the translational regulation of the human papillomavirus type 16 E7 mRNA (HPV16 E7).</p> <p><b>Subunit:</b> Heterotetramer of two type I and two type II keratins. Interacts with eukaryotic translation initiator factor 3 (eIF3) subunit EIF3S10 and with HPV16 E7.</p> <p><b>Subcellular Location:</b> Cytoplasm.</p> <p><b>Tissue Specificity:</b> Expressed in cultured epidermal, bronchial and mesothelial cells but absent in colon, ectocervix and liver. Observed throughout the glandular cells in the junction between stomach and esophagus but is absent in the esophagus.</p> <p><b>Post-translational modifications:</b> Arg-20 is dimethylated, probably to asymmetric dimethylarginine.</p> <p><b>Similarity:</b> Belongs to the intermediate filament family.</p> <p><b>SWISS:</b> Q9DCV7</p> <p><b>Gene ID:</b></p>

110310

**Database links:**

[Entrez Gene: 3855](#)Human

[Entrez Gene: 110310](#)Mouse

[Entrez Gene: 300242](#)Rat

[Omim: 148059](#)Human

[SwissProt: P08729](#)Human

[SwissProt: Q9DCV7](#)Mouse

[SwissProt: Q6IG12](#)Rat

[Unigene: 411501](#)Human

[Unigene: 670221](#)Human

[Unigene: 289377](#)Mouse

[Unigene: 7913](#)Rat

**Important Note:**

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

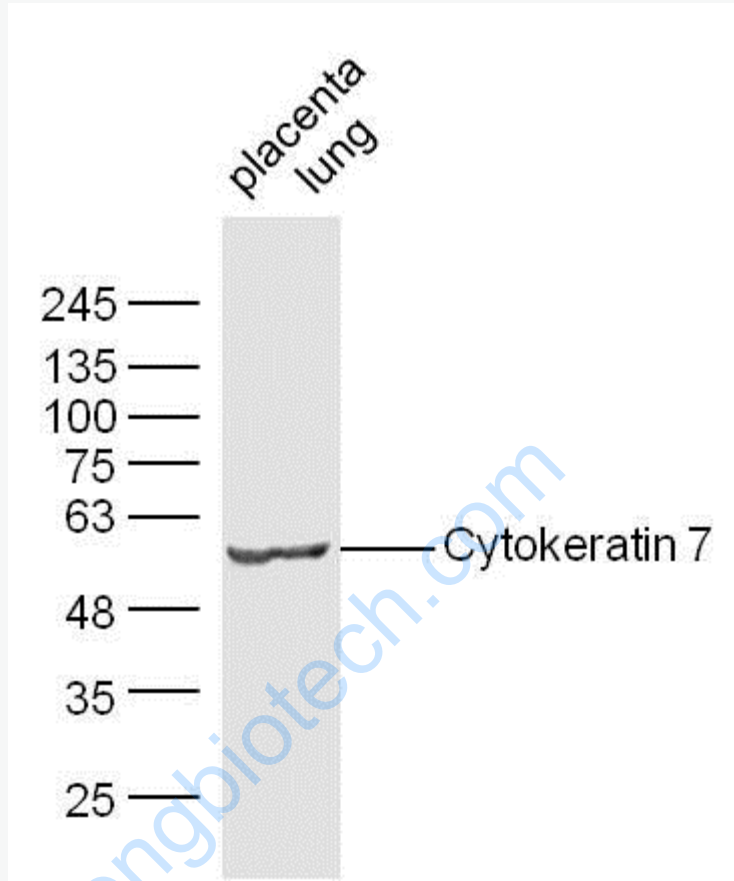
结构蛋白 (Structural Proteins)

CK-7是一种 54KDa

的中间丝蛋白, 存在于大多数正常组织的腺上皮和移行epithelial cells中。

该抗体与多种良/恶性上皮性Tumour反应。腺癌中的卵巢、乳腺、肺的腺癌呈阳性反应, 而胃肠道的腺癌阴性。移行细胞Tumour、前列腺癌也呈阳性反应。通常认为CK7是腺癌和移行epithelial cells癌的比较特异性的标志。

Picture:



Sample:

Placenta (Mouse) Lysate at 30 ug

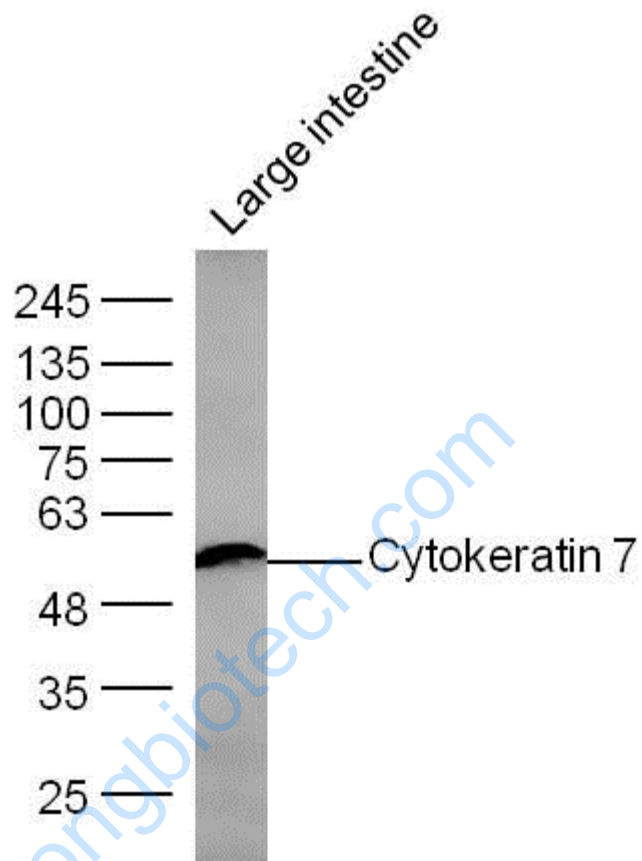
Lung (Mouse) Lysate at 30 ug

Primary: Anti-Cytokeratin 7 (SL1744R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/10000 dilution

Predicted band size: 54 kD

Observed band size: 54 kD



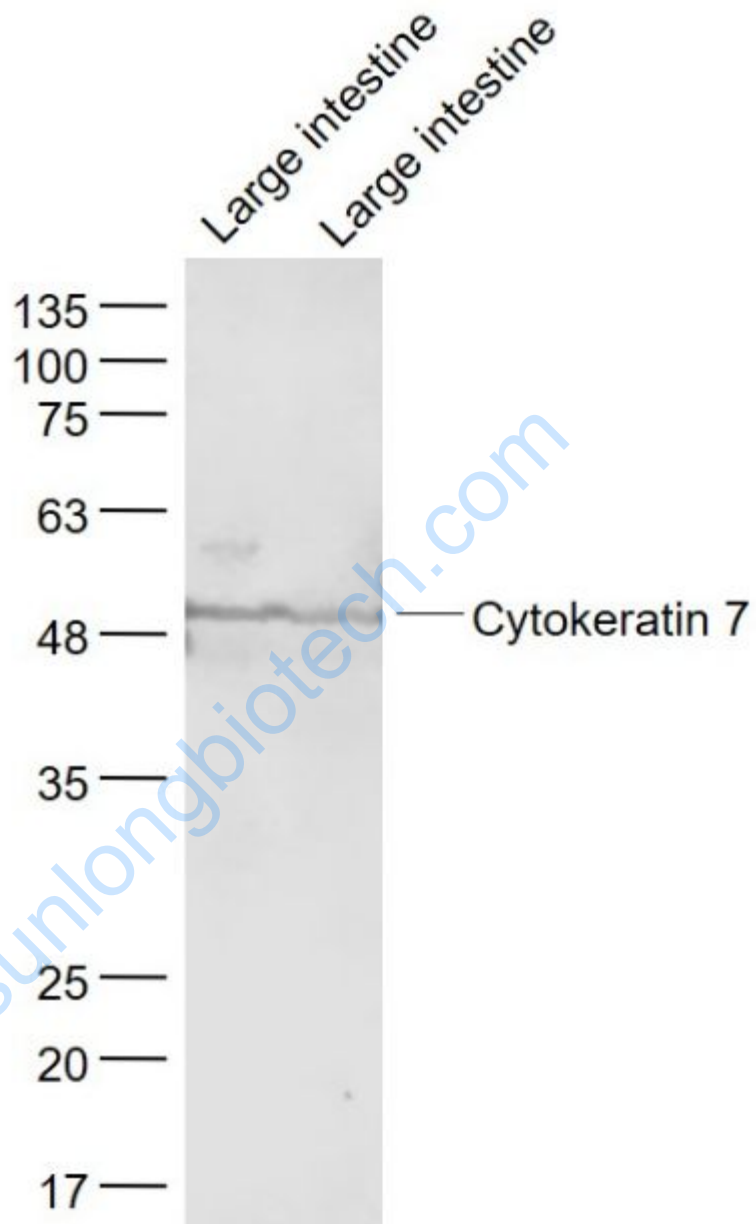
Sample: Large intestine (Mouse) Lysate at 30 ug

Primary: Anti- Cytokeratin 7 (SL1744R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/10000 dilution

Predicted band size: 54 kD

Observed band size: 54 kD



Sample:

Large intestine (Mouse) Lysate at 40 ug

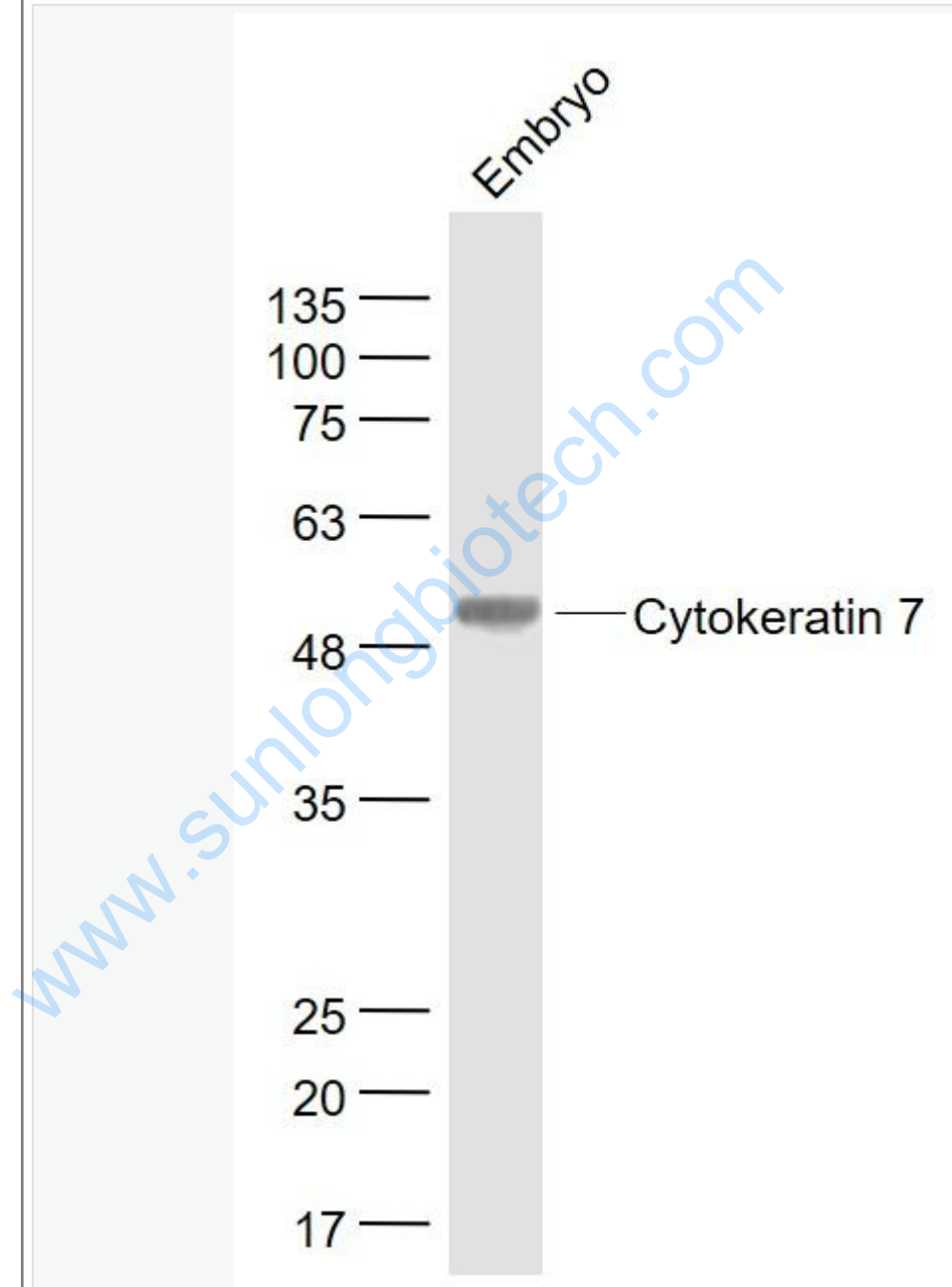
Large intestine(Rat) Lysate at 40 ug

Primary: Anti- Cytokeratin 7 (SL1744R) at 1/1000 dilution

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

Predicted band size: 54 kD

Observed band size: 54 kD



Sample:

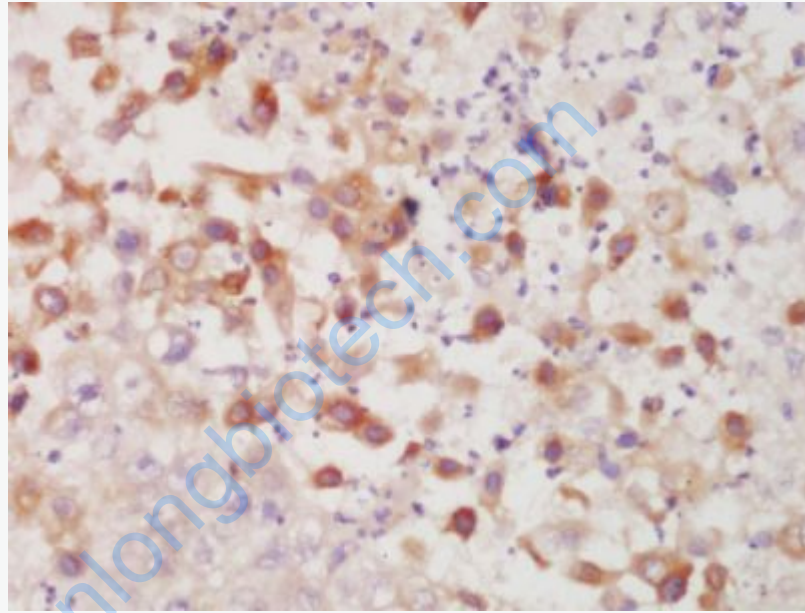
Embryo (Mouse) Lysate at 40 ug

Primary: Anti- Cytokeratin 7 (SL1744R) at 1/1000 dilution

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

Predicted band size: 54 kD

Observed band size: 54 kD



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Cytokeratin 7 Polyclonal Antibody, Unconjugated(SL1744R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining