SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Cytokeratin 6 antibody

Catalog Number: SL10105R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Cytokeratin 6
Immunogen:	KLH conjugated synthetic peptide derived from human Cytokeratin 6: 351-450/564
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human, Mouse, (predicted: Rat, Dog, Pig, Cow, Horse, Rabbit, Sheep)
Predicted MW.:	60kDa
Subcellular Location:	The nucleus cytoplasmic Secretory protein
Background:	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. As many as six of this type II cytokeratin(KRT6) have been identified; the multiplicity of the genes is attributed to successive gene duplication events. The genes are expressed with family members KRT16 and/or KRT17 in the filiform papillae of the tongue, the stratified epithelial lining of oral mucosa and esophagus, the outer root sheath of hair follicles, and the glandular epithelia. This KRT6 gene in particular encodes the most abundant isoform. Mutations in these genes have been associated with pachyonychia congenita. The type II cytokeratins are

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	clustered in a region of chromosome 12q12-q13. [provided by RefSeq]. **Subunit:** Heterodimer of a type I and a type II keratin. KRT6 isomers associate with KRT16 and/or KRT17. Interacts with TCHP. **Tissue Specificity:** Constitutively expressed in distinct types of epithelia such as those in oral mucosa, esophagus, papillae of tongue and hair follicle outer root sheath. **Similarity:** Belongs to the intermediate filament family. **Database links:** **Entrez Gene:** 286887 Human **Entrez Gene:** 3853 Human **Entrez Gene:** 3854 Human **Entrez Gene:** 16687 Mouse **Entrez Gene:** 16688 Mouse Omim: 148041 Human Omim: 148042 Human Omim: 612315 Human **SwissProt:** P02538 Human **SwissProt:** P04259 Human **SwissProt:** P48668 Human **SwissProt:** P50446 Mouse **SwissProt:** Q9Z331 Mouse **Unigene:** 700779 Human **Unigene:** 709234 Human

[VALIDATION IMAGES]

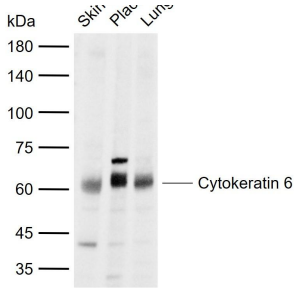


Figure 1. Sample: Lane 1: Mouse Skin tissue lysates Lane 2: Mouse Placenta tissue lysates Lane 3: Mouse Lung tissue lysates Primary: Anti-Cytokeratin 6 (SL10105R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 60 kDa Observed band size: 60 kDa

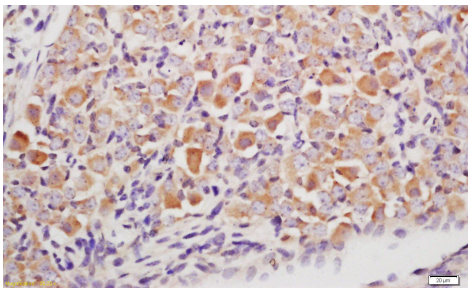


Figure 2. Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Cytokeratin 6 Polyclonal Antibody, Unconjugated(SL10105R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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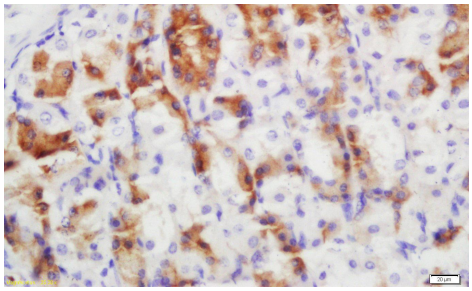


Figure 3. Tissue/cell: mouse stomach tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-Cytokeratin 6 Polyclonal Antibody, Unconjugated(SL10105R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

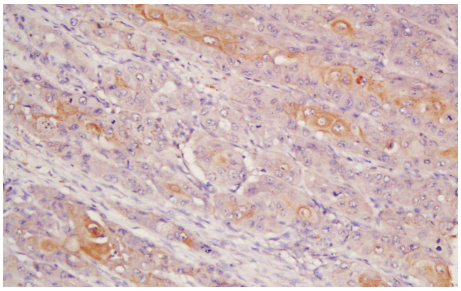


Figure 4. Tissue/cell: human laryngocarcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-CK6B Polyclonal Antibody, Unconjugated(SL10105R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

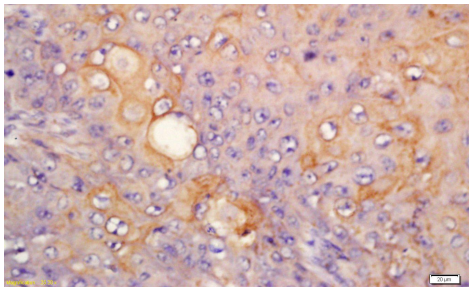


Figure 5. Tissue/cell: Human laryngeal tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-Cytokeratin 6 Polyclonal Antibody, Unconjugated(SL10105R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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