SunLong Biotech Co.,LTD
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www.sunlongbiotech.com

**[ Primary Antibody ]**

# Rabbit Anti-Keratin 6 antibody

**Catalog Number: SLM-60235R**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

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| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Monoclonal |
| **Clone No.:** | B12C5 |
| **Target:** | Keratin 6 |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human Keratin 6 |
| **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°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | WB=1:500-2000<br>IHC-P=1:100-500<br>IHC-F=1:100-500<br>ICC/IF=1:50-200<br>IF=1:100-500 （Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | Human,Mouse,Rat |
| **Predicted MW.:** | 60kDa |
| **Subcellular Location:** | cytoplasmic |
| **Background:** | Keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into epithelial keratins and hair keratins. The type II keratins are clustered in a region of chromosome 12q13. [provided by RefSeq, Jul 2009]<br>**Function:** There are at least six isoforms of human type II keratin-6 (K6). There are two types of cytoskeletal and microfibrillar keratin, I (acidic) and II (neutral to basic) (40-55 and 56-70 kDa, respectively).<br>**Subunit:** Heterodimer of a type I and a type II keratin. KRT6 isomers associate with KRT16 and/or KRT17. Interacts with TCHP.<br>**Tissue Specificity:** Constitutively expressed in distinct types of epithelia such |

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| | as those in oral mucosa, esophagus, papillae of tongue and hair follicle outer root sheath.<br>DISEASE: Defects in KRT6A are a cause of pachyonychia congenital type 1 (PC1) [MIM:167200]; also known as Jadassohn-Lewandowsky syndrome. PC1 is an autosomal dominant ectodermal dysplasia characterized by hypertrophic nail dystrophy resulting in onchyogryposis (thickening and increase in curvature of the nail), palmoplantar keratoderma, follicular hyperkeratosis, and oral leukokeratosis. Hyperhidrosis of the hands and feet is usually present.<br>**Similarity:** Belongs to the intermediate filament family.<br>**Database links:**<br>**Entrez Gene:** 286887 Human<br>**Entrez Gene:** 16687 Mouse<br>**SwissProt:** P48668 Human<br>**SwissProt:** P50446 Mouse |

## [ VALIDATION IMAGES ]

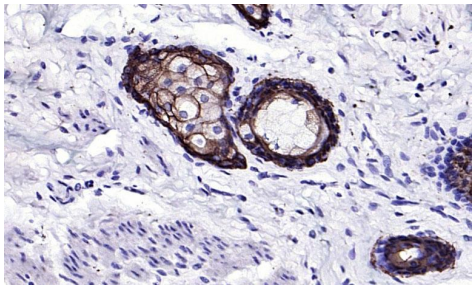


Figure 1. Paraformaldehyde-fixed, paraffin embedded (human breast); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Keratin 6) Monoclonal Antibody, Unconjugated (SLM-60235R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining

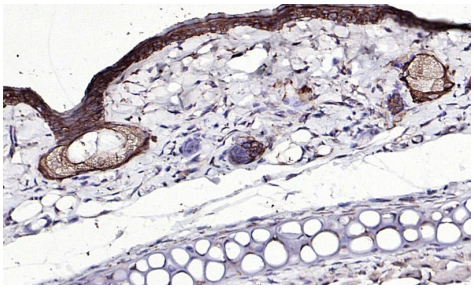


Figure 2. Paraformaldehyde-fixed, paraffin embedded (rat skin); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Keratin 6) Monoclonal Antibody, Unconjugated (SLM-60235R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining

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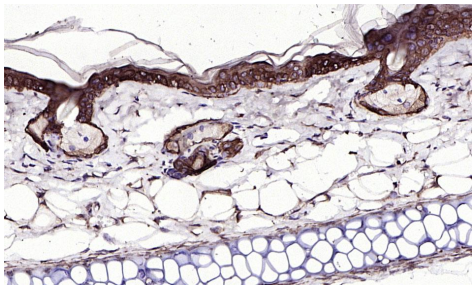


Figure 3. Paraformaldehyde-fixed, paraffin embedded (mouse skin); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Keratin 6) Monoclonal Antibody, Unconjugated (SLM-60235R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining

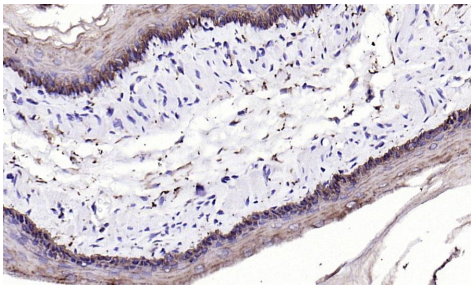


Figure 4. Paraformaldehyde-fixed, paraffin embedded (rat esophageal); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Keratin 6) Monoclonal Antibody, Unconjugated (SLM-60235R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining

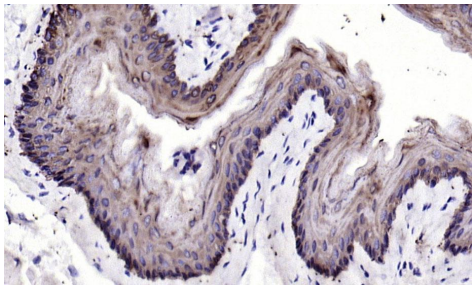


Figure 5. Paraformaldehyde-fixed, paraffin embedded (mouse esophageal); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Keratin 6) Monoclonal Antibody, Unconjugated (SLM-60235R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining

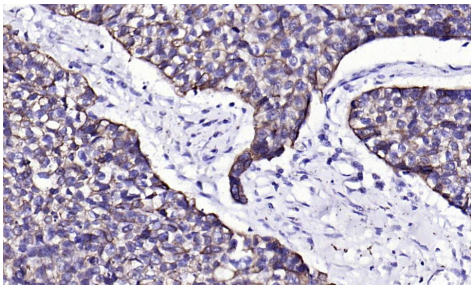


Figure 6. Paraformaldehyde-fixed, paraffin embedded (human esophageal); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Keratin 6) Monoclonal Antibody, Unconjugated (SLM-60235R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining

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