

# KRT6A Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP16974a

#### **Product Information**

**Application** WB, E **Primary Accession** P02538

Other Accession O95678, NP\_005545.1
Reactivity Human, Rat, Mouse

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Clone Names RB36655
Calculated MW 60045
Antigen Region 135-164

### **Additional Information**

**Gene ID** 3853

Other Names Keratin, type II cytoskeletal 6A, Cytokeratin-6A, CK-6A, Cytokeratin-6D, CK-6D,

Keratin-6A, K6A, Type-II keratin Kb6, Hom s 5, KRT6A, K6A, KRT6D

**Target/Specificity**This KRT6A antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 135-164 amino acids from the

N-terminal region of human KRT6A.

**Dilution** WB~~1:1000 E~~Use at an assay dependent concentration.

Format Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This

antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation

followed by dialysis against PBS.

**Storage** Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions** KRT6A Antibody (N-term) is for research use only and not for use in diagnostic

or therapeutic procedures.

#### **Protein Information**

Name KRT6A

Synonyms K6A, KRT6D

**Function** Epidermis-specific type I keratin involved in wound healing. Involved in the

activation of follicular keratinocytes after wounding, while it does not play a major role in keratinocyte proliferation or migration. Participates in the regulation of epithelial migration by inhibiting the activity of SRC during wound repair.

**Tissue Location** 

Expressed in the corneal epithelium (at protein level).

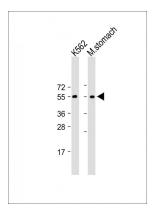
## **Background**

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 clustered in a region of chromosome 12q12-q13. [provided by RefSeq].

## References

Dereure, O. Ann Dermatol Venereol 137(5):423-424(2010) Trost, A., et al. Mech. Ageing Dev. 131(5):346-353(2010) Yang, L., et al. Zhonghua Yi Xue Yi Chuan Xue Za Zhi 27(1):66-68(2010) Millar, E.K., et al. J. Clin. Oncol. 27(28):4701-4708(2009) Bai, Z.L., et al. Zhonghua Yi Xue Yi Chuan Xue Za Zhi 26(5):514-517(2009)

## **Images**



All lanes: Anti-KRT6A Antibody (N-term) at 1:1000 dilution Lane 1: K562 whole cell lysate Lane 2: mouse stomach lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 55kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.