# Cytokeratin 4 (KRT4) Rabbit mAb

Catalog No.: A0013 Recombinant



### **Basic Information**

#### **Observed MW**

57kDa

### **Calculated MW**

56kDa

### Category

Primary antibody

### **Applications**

WB,IF-P,IHC-P,ELISA

### **Cross-Reactivity**

Human, Mouse

#### CloneNo number

ARC1804

### **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. This type II cytokeratin is specifically expressed in differentiated layers of the mucosal and esophageal epithelia with family member KRT13. Mutations in these genes have been associated with White Sponge Nevus, characterized by oral, esophageal, and anal leukoplakia. The type II cytokeratins are clustered in a region of chromosome 12q12-q13.

## **Recommended Dilutions**

**WB** 1:1000 - 1:4000

IF-P 1:100 - 1:400

IHC-P 1:500 - 1:2000

**ELISA** Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

### Immunogen Information

**Gene ID**3851

Swiss Prot
P19013

### **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

### **Synonyms**

K4; CK4; CK-4; CYK4; WSN1; Cytokeratin 4 (KRT4)

### **Contact**

<b>a</b>		400-999-6126
$\bowtie$		cn.market@abclonal.com.cn
•	ī	www.abclonal.com.cn

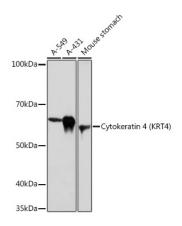
### **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Western blot analysis of various lysates using Cytokeratin 4 (KRT4) (KRT4) Rabbit mAb (A0013) at 1:1000 dilution

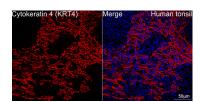
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



Confocal imaging of human tonsil tissue

using Cytokeratin 4 (KRT4) Rabbit mAb

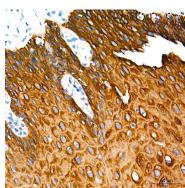
for nuclear staining (blue). Objective:

commencing with IF staining protocol.

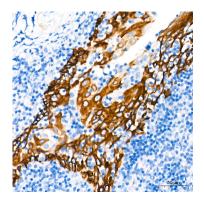
(A0013, dilution 1:100) (Red). DAPI was used

40x.Perform high pressure antigen retrieval

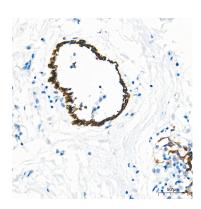
with 10 mM citrate buffer (pH 6.0) before



Immunohistochemistry analysis of paraffinembedded human esophagus tissue using Cytokeratin 4 (KRT4) Rabbit mAb (A0013) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded human tonsil tissue using Cytokeratin 4 (KRT4) Rabbit mAb (A0013) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded human breast tissue using Cytokeratin 4 (KRT4) Rabbit mAb (A0013) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.