# Cytokeratin 2e (KRT2) Rabbit mAb

Catalog No.: A2615 Recombinant



# **Basic Information**

### **Observed MW**

65kDa

### **Calculated MW**

65kDa

### Category

Primary antibody

### **Applications**

WB,IF-P,IHC-P,ELISA

### **Cross-Reactivity**

Human, Mouse, Rat

### CloneNo number

ARC1925

# **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 expressed largely in the upper spinous layer of epidermal keratinocytes and mutations in this gene have been associated with bullous congenital ichthyosiform erythroderma. The type II cytokeratins are clustered in a region of chromosome 12q12-q13.

# **Recommended Dilutions**

**WB** 1:500 - 1:1000

IF-P 1:50 - 1:200

IHC-P 1:50 - 1:200

**ELISA** Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

# Immunogen Information

**Gene ID**3849

Swiss Prot
P35908

### **Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

## **Synonyms**

K2e; KRTE; CK-2e; KRT2A; KRT2E; Cytokeratin 2e (KRT2)

# **Contact**

| <b>a</b>  |   | 400-999-6126              |
|-----------|---|---------------------------|
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| •         | ī | www.abclonal.com.cn       |

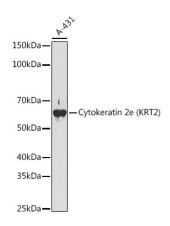
## **Product Information**

| Source | Isotype | Purification          |
|--------|---------|-----------------------|
| Rabbit | IgG     | Affinity 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 lysates from A-431 cells, using Cytokeratin 2e (KRT2) Rabbit mAb (A2615) at 1:1000 dilution

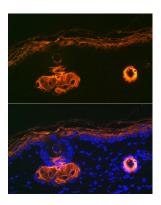
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

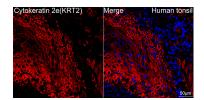
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

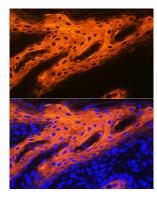
Exposure time: 180s.



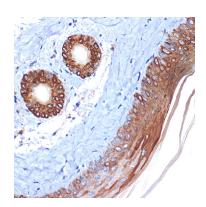
Immunofluorescence analysis of paraffinembedded rat skin using Cytokeratin 2e (KRT2) Rabbit mAb (A2615) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



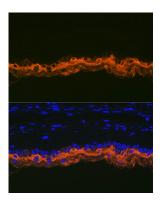
Confocal imaging of paraffin-embedded Human tonsil tissue using Cytokeratin 2e (KRT2) Rabbit mAb (A2615, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



Immunofluorescence analysis of paraffinembedded human skin using Cytokeratin 2e (KRT2) Rabbit mAb (A2615) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffinembedded Mouse skin using Cytokeratin 2e (KRT2) Rabbit mAb (A2615) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunofluorescence analysis of paraffinembedded mouse skin using Cytokeratin 2e (KRT2) Rabbit mAb (A2615) at dilution of 1:100 (40x lens). Secondary antibody: Cy3conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.