

A2615

Leader in Biomolecular Solutions for Life Science



Cytokeratin 2e (KRT2) Rabbit mAb

Catalog No.: A2615

Recombinant

Basic Information

Observed MW

65kDa

Calculated MW

65kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

WB,IHC-P,ELISA,IF-P

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)

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

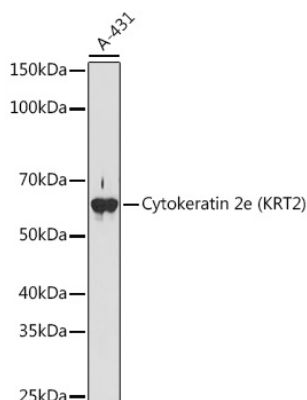
Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Contact



www.abclonal.com

Validation Data



Western blot analysis of lysates from A-431 cells, using Cytokeratin 2e (KRT2) Rabbit mAb (A2615) at 1:1000 dilution.

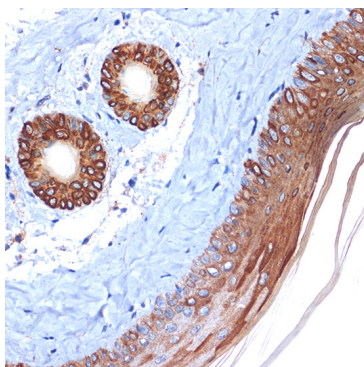
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

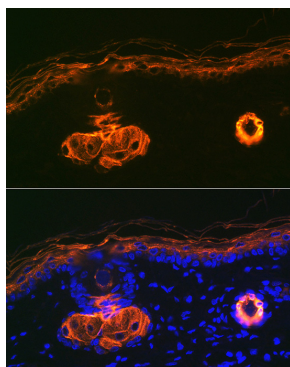
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

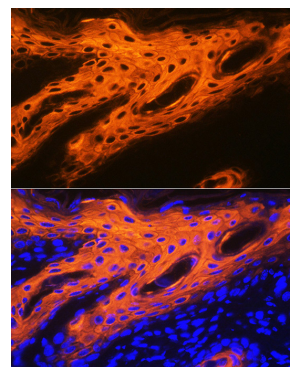
Exposure time: 180s.



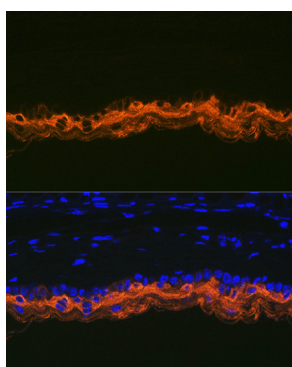
Immunohistochemistry analysis of paraffin-embedded Mouse skin using Cytokeratin 2e (KRT2) Rabbit mAb (A2615) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



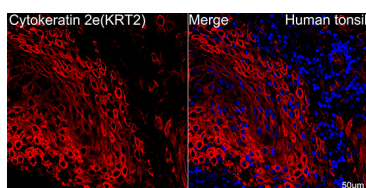
Immunofluorescence analysis of paraffin-embedded rat skin using Cytokeratin 2e (KRT2) Rabbit mAb (A2615) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of paraffin-embedded 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.



Immunofluorescence analysis of paraffin-embedded mouse 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

Validation Data

(pH 6.0) prior to IF staining.