Leader in Biomolecular Solutions for Life Science

Cytokeratin 14 (KRT14) Rabbit mAb

Catalog No.: A25205

Recombinant

www.abclonal.com

Basic Information

Observed MW
55kDa

Calculated MW
52kDa

Category
Monoclonal Antibodies

Applications
WB, IF/ICC, IHC-P, ELISA

Cross Reactivity
Human, Rat

Clone No.
ARC66097

Background

This gene encodes a member of the keratin family, the most diverse group of intermediate filaments. This gene product, a type I keratin, is usually found as a heterotetramer with two keratin 5 molecules, a type II keratin. Together they form the cytoskeleton of epithelial cells. Mutations in the genes for these keratins are associated with epidermolysis bullosa simplex. At least one pseudogene has been identified at 17p12-p11.

Recommended Dilutions

WB	1:3000 - 1:18000
IF/ICC	1:200 - 1:2000
IHC-P	1:200 - 1:2000

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
3861

Swiss-Prot
P02533

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

Synonyms
K14; NFJ; CK14; EBS1; EBS3; EBS4; EBS1A; EBS1B; EBS1C; EBS1D; Cytokeratin 14 (KRT14)

Contact

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Product Information

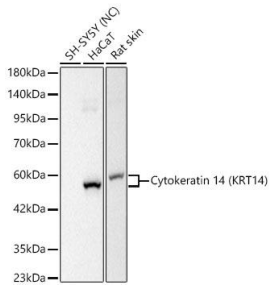
Source
Rabbit

Isotype
IgG

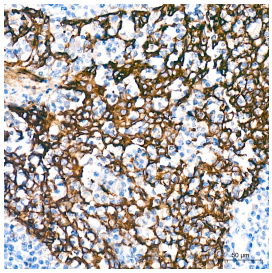
Purity
Affinity purification

Storage
Store at -20℃

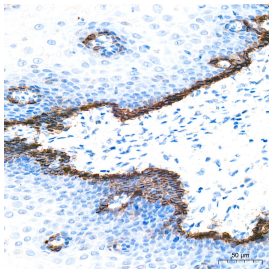
Validation Data



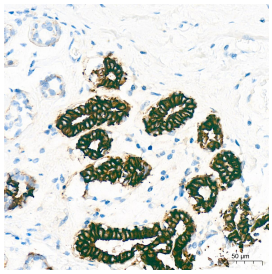
Western blot analysis of various lysates using Cytokeratin 14 (KRT14) Rabbit mAb (A25205) at 1:3000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): SH-SY5Y.
Exposure time: 1s.



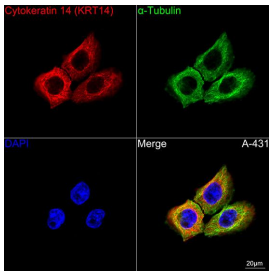
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Cytokeratin 14 (KRT14) Rabbit mAb (A25205) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.



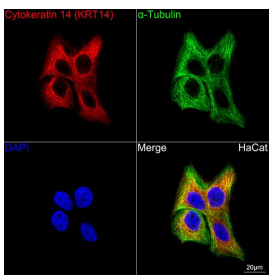
Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using Cytokeratin 14 (KRT14) Rabbit mAb (A25205) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human breast tissue using Cytokeratin 14 (KRT14) Rabbit mAb (A25205) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.



Confocal imaging of A-431 cells using Cytokeratin 14 (KRT14) Rabbit mAb (A25205, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of HaCat cells using Cytokeratin 14 (KRT14) Rabbit mAb (A25205, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.