

A12004

Leader in Biomolecular Solutions for Life Science



Cytokeratin 7 (KRT7) Rabbit pAb

Catalog No.: A12004

4 Publications

Basic Information

Observed MW

51kDa

Calculated MW

51kDa

Category

Polyclonal Antibody

Applications

WB,IHC-P,ELISA,IF-P

Cross-Reactivity

Human,Mouse,Rat

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 the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. The genes encoding the type II cytokeratins are clustered in a region of chromosome 12q12-q13. Alternative splicing may result in several transcript variants; however, not all variants have been fully described.

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

3855

Swiss Prot

P08729

Immunogen

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

Synonyms

K7; CK7; SCL; K2C7; Cytokeratin 7 (KRT7)

Product Information

Contact



www.abclonal.com

Source

Rabbit

Isotype

IgG

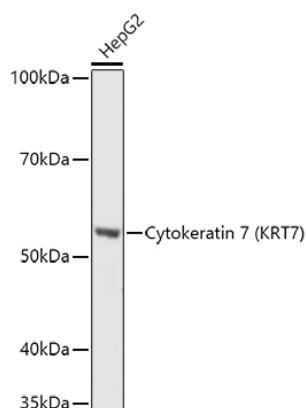
Purification

Affinity purification

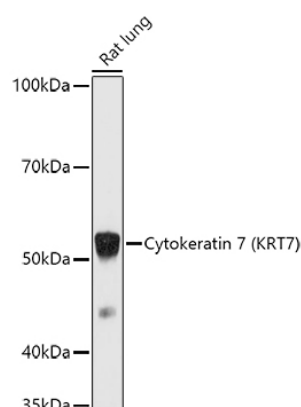
Storage

Store at -20°C

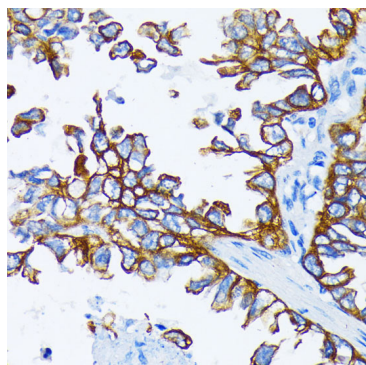
Validation Data



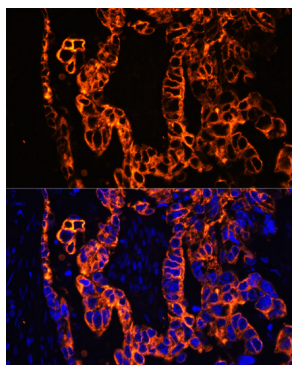
Western blot analysis of lysates from HepG2 cells, using Cytokeratin 7 (KRT7) Rabbit pAb (A12004) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3s.



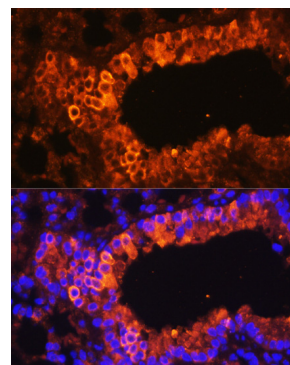
Western blot analysis of lysates from Rat lung, using Cytokeratin 7 (KRT7) Rabbit pAb (A12004) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using Cytokeratin 7 (KRT7) Rabbit pAb (A12004) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.

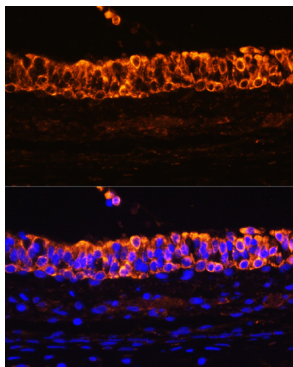


Immunofluorescence analysis of human lung cancer using Cytokeratin 7 (KRT7) Rabbit pAb (A12004) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse bronchus using Cytokeratin 7 (KRT7) Rabbit pAb (A12004) at dilution of 1:100. Blue: DAPI for nuclear staining.

Validation Data



Immunofluorescence analysis of rat bronchus using Cytokeratin 7 (KRT7) Rabbit pAb (A12004) at dilution of 1:100. Blue: DAPI for nuclear staining.