

Cytokeratin 7 (KRT7) Rabbit pAb

Catalog No.: A12004 **1 Publications**

Basic Information

Observed MW

51kDa

Calculated MW

51kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

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
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID	Swiss Prot
3855	P08729

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-94 of human Cytokeratin 7 (KRT7) (NP_005547.3).

Synonyms

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

Contact

 | www.abclonal.com

Product Information

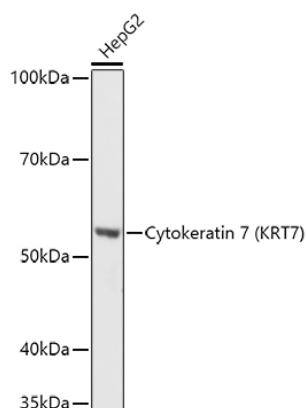
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

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

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from HepG2 cells, using Cytokeratin 7 (KRT7) Rabbit pAb (A12004) at 1:1000 dilution.

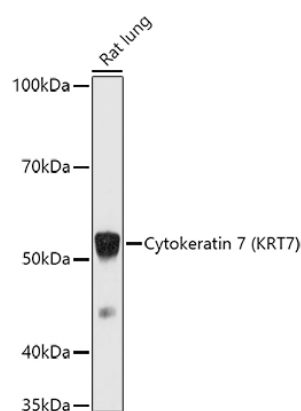
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

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.

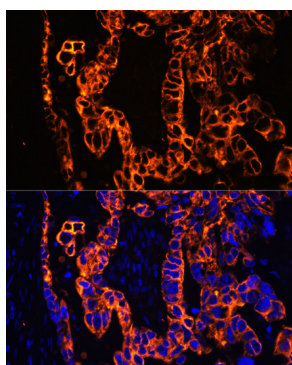
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

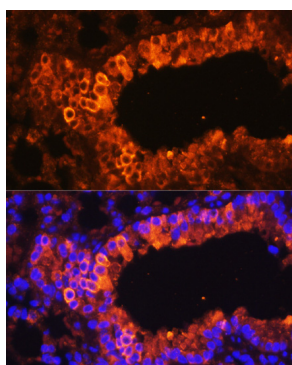
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

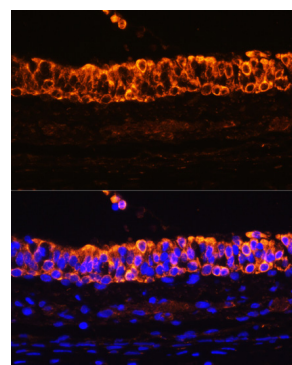
Exposure time: 90s.



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

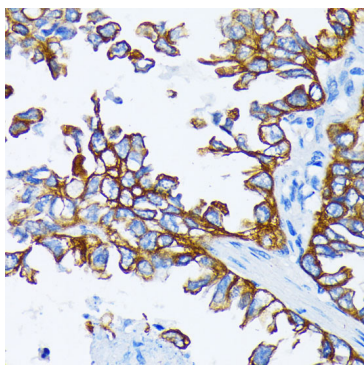


Immunofluorescence analysis of mouse bronchus using Cytokeratin 7 (KRT7) Rabbit pAb (A12004) at dilution of 1:100. Blue: DAPI for nuclear staining.



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

Validation Data



Immunohistochemistry analysis of Cytokeratin 7 (KRT7) in paraffin-embedded human lung cancer using Cytokeratin 7 (KRT7) Rabbit pAb (A12004) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.