Datasheet for ABIN6143037

anti-Cytokeratin 7 antibody (AA 1-94)

6 Images

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Overview

Quantity:	100 µL
Target:	Cytokeratin 7 (KRT7)
Binding Specificity:	AA 1-94
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cytokeratin 7 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF), Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-94 of human Cytokeratin 7 (Cytokeratin 7 (KRT7)) (NP_005547.3).
Sequence:	MSIHFSSPVF TSRSAAFSGR GAQVRLSSAR PGGLGSSSLY GLGASRPRVA VRSAYGGPVG AGIREVTINQ SLLAPLRLDA DPSLQRVRQE ESEQ
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	Cytokeratin 7 (KRT7)

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Target Details

Alternative Name:	KRT7 (KRT7 Products)
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.,KRT7,CK7,K2C7,K7,SCL,keratin 7,Keratin,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Intermediate Filaments,Extracellular Matrix,Cytokeratin,Keratin,KRT7
Molecular Weight:	51 kDa
Gene ID:	3855
UniProt:	P08729

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

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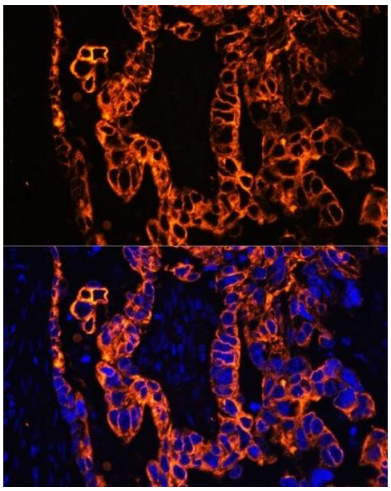
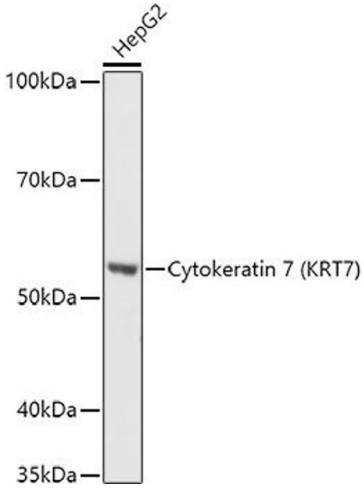


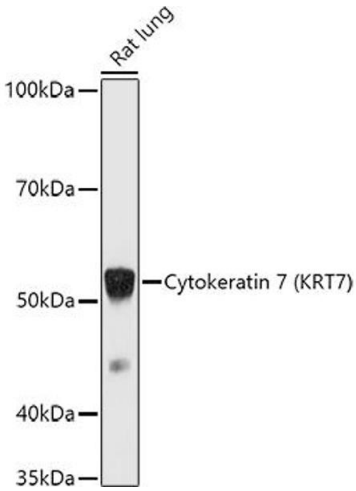
Immunofluorescence

Image 1. Immunofluorescence analysis of human lung cancer using Cytokeratin 7 (Cytokeratin 7 (KRT7)) antibody (ABIN6129292, ABIN6143037, ABIN6143039 and ABIN6215559) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of HepG2 cells, using Cytokeratin 7 (KRT7) antibody (ABIN6129292, ABIN6143037, ABIN6143039 and ABIN6215559) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 3s.



Western Blotting

Image 3. Western blot analysis of extracts of Rat lung, using Cytokeratin 7 (KRT7) antibody (ABIN6129292, ABIN6143037, ABIN6143039 and ABIN6215559) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.

Please check the product details page for more images. Overall 6 images are available for ABIN6143037.

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