

Datasheet for ABIN2778669

anti-Cytokeratin 18 antibody (N-Term)



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6 Images

Overview

Quantity:	100 µL
Target:	Cytokeratin 18 (KRT18)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Horse, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cytokeratin 18 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human KRT18
Sequence:	TRSTFSTNYR SLGSVQAPSY GARPVSSAAS VYAGAGGSGS RISVSRSTSF
Predicted Reactivity:	Cow: 86%, Dog: 92%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 93%, Rabbit: 93%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against KRT18. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	Cytokeratin 18 (KRT18)
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Target Details

Alternative Name:	KRT18 (KRT18 Products)
Background:	KRT18 (Keratin 18) is type I intermediate filament chain. Keratin 18, together with its filament partner keratin 8, are perhaps the most commonly found members of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in this gene have been linked to cryptogenic cirrhosis. KRT18 encodes the type I intermediate filament chain keratin 18. Keratin 18, together with its filament partner keratin 8, are perhaps the most commonly found members of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in this gene have been linked to cryptogenic cirrhosis. Two transcript variants encoding the same protein have been found for this gene. Alias Symbols: K18, CYK18 Protein Interaction Partner: KRT18, GOLGA2, UBC, HAUS1, CCDC146, MDM2, EED, HNRNPU, FLII, FKBP3, DDX1, C14orf166, RTCB, CNOT1, SEC16A, RPL14, RFC2, UPF2, BBS7, PAN2, BBS4, BBS2, BBS1, SMARCD1, ORC5, NOS2, KRT8, KPNA2, ITGA4, HRAS, GRN, FN1, EP300, ATF2, CDH1, CDC5L, YTHDC1, PIAS4, TX Protein Size: 430
Molecular Weight:	47 kDa
Gene ID:	3875
NCBI Accession:	NM_000224 , NP_000215
UniProt:	P05783
Pathways:	Apoptosis , Caspase Cascade in Apoptosis

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 430 AA
Restrictions:	For Research Use only

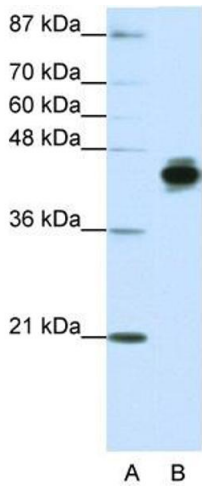
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

Handling

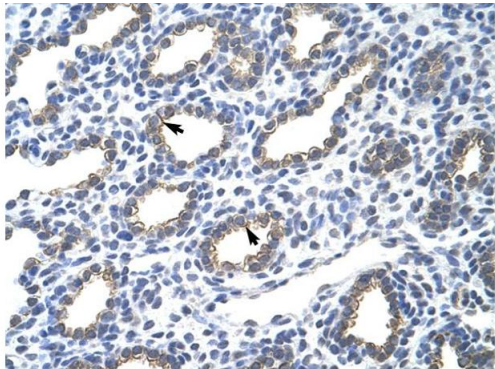
	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

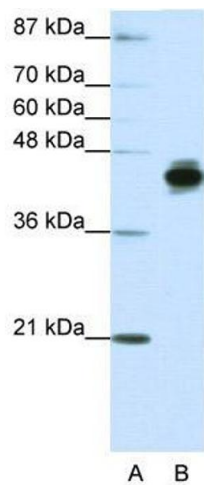
Image 1. WB Suggested Anti-KRT18 Antibody Titration: 1.25ug/ml ELISA Titer: 1:1562500 Positive Control: HepG2 cell lysate KRT18 is supported by BioGPS gene expression data to be expressed in HepG2



Rabbit Anti-KRT18 Antibody
Catalog Number: ARP40205
Lot Number: QC9370
Paraffin Embedded Tissue: Human Lung
Cells with Positive label: Alveolar cells (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 2. Rabbit Anti-KRT18 Antibody Paraffin Embedded Tissue: Human Lung Cellular Data: Alveolar cells Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X



Western Blotting

Image 3. WB Suggested Anti-KRT18

Antibody Titration: 1.25 µg/mL ELISA Titer: 1:1562500

Positive Control: HepG2 cell lysate

KRT18 is supported by BioGPS gene expression data to be expressed in HepG2

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN2778669.