


Anti-Cytokeratin 18 antibody ab52948

★★★★★ [5 Abreviews](#) [24 References](#) [4 Images](#)

Overview

Product name	Anti-Cytokeratin 18 antibody
Description	Rabbit polyclonal to Cytokeratin 18
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide within Human Cytokeratin 18 aa 400 to the C-terminus (C terminal). The exact sequence is proprietary. (Peptide available as ab215576)
Positive control	A431 cell lysate, human urothelial carcinoma cells and HeLa cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab52948 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/10000 - 1/50000. Detects a band of approximately 48 kDa (predicted molecular weight: 48 kDa).
IHC-P		Use at an assay dependent concentration.
ICC/IF	★★★★★ (1)	1/250 - 1/500.

Target

Function

Involved in the uptake of thrombin-antithrombin complexes by hepatic cells (By similarity). When phosphorylated, plays a role in filament reorganization. Involved in the delivery of mutated CFTR to the plasma membrane. Together with KRT8, is involved in interleukin-6 (IL-6)-mediated barrier protection.

Tissue specificity

Expressed in colon, placenta, liver and very weakly in exocervix. Increased expression observed in lymph nodes of breast carcinoma.

Involvement in disease

Defects in KRT18 are a cause of cirrhosis (CIRRH) [MIM:215600].

Sequence similarities

Belongs to the intermediate filament family.

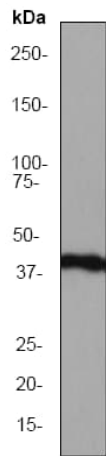
Post-translational modifications

Phosphorylation at Ser-34 increases during mitosis. Hyperphosphorylated at Ser-53 in diseased cirrhosis liver. Phosphorylation increases by IL-6.
Proteolytically cleaved by caspases during epithelial cell apoptosis. Cleavage occurs at Asp-238 by either caspase-3, caspase-6 or caspase-7.
O-glycosylated at multiple sites; glycans consist of single N-acetylglucosamine residues.

Cellular localization

Cytoplasm > perinuclear region.

Images



Western blot - Anti-Cytokeratin 18 antibody
(ab52948)

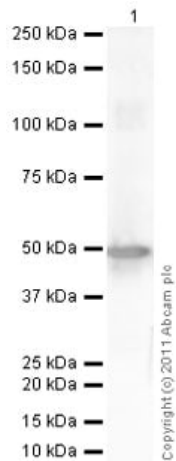
Anti-Cytokeratin 18 antibody (ab52948) at 1/50000 dilution + A431
cell lysate at 10 µg

Secondary

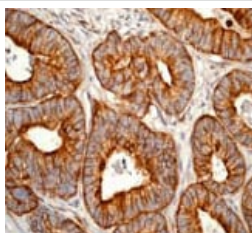
goat anti-rabbit HR at 1/2000 dilution

Predicted band size: 48 kDa

Observed band size: 48 kDa

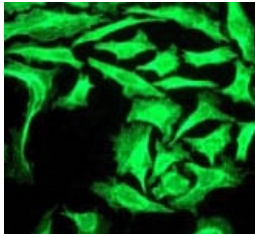


Western blot - Anti-Cytokeratin 18 antibody
(ab52948)



Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-Cytokeratin 18 antibody
(ab52948)

ab52948 at 1/250 dilution staining Cytokeratin 18 in urothelial
carcinoma cells by Immunohistochemistry, Paraffin embedded
tissue.



ab52948 at 1/250 dilution staining Cytokeratin 18 in HeLa cells by Immunofluorescence

Immunocytochemistry/ Immunofluorescence - Anti-Cytokeratin 18 antibody (ab52948)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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