

For Research Use Only

# Cytokeratin 18 Recombinant antibody

Catalog Number: 82817-5-RR



## Basic Information

Catalog Number: 82817-5-RR	GenBank Accession Number: BC000180	Purification Method: Protein A purification
Size: 500 ug/ml	GeneID (NCBI): 3875	CloneNo.: 4F2
Source: Rabbit	UNIPROT ID: P05783	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:50-1:500 IF/ICC 1:50-1:500
Isotype: IgG	Full Name: keratin 18	
Immunogen Catalog Number: AG1260	Calculated MW: 48 kDa Observed MW: 48 kDa	

## Applications

Tested Applications:  
WB, IHC, IF/ICC, ELISA

Species Specificity:  
human, mouse, rat

**Note-IHC: suggested antigen retrieval with  
TE buffer pH 9.0; (\*) Alternatively, antigen  
retrieval may be performed with citrate  
buffer pH 6.0**

Positive Controls:

WB : A431 cells, A549 cells, HCT 116 cells, HepG2 cells,  
K-562 cells, mouse liver tissue, rat liver tissue

IHC : human appendicitis tissue, human breast cancer  
tissue, human liver tissue, human renal cell carcinoma  
tissue

IF/ICC : HepG2 cells,

## Background Information

Cytokeratin 18, also known as CK18, is a type I intermediate filament protein which is found primarily in non squamous epithelia and is present in a majority of adenocarcinomas and ductal carcinomas but not in squamous cell carcinomas. CK18 and its coexpressed complementary type II keratin partner, CK8, are persistently expressed in a variety of adult epithelial organs, such as the liver, lung, kidney, pancreas, gastrointestinal tract, and mammary gland, and are also expressed by cancers that arise from these tissues. In the absence of CK8, the CK18 protein is degraded and keratin intermediate filaments are not formed.

## Storage

Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

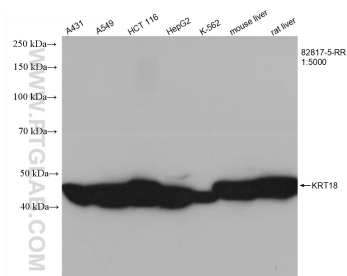
T: 4006900926

E: Proteintech-CN@ptglab.com

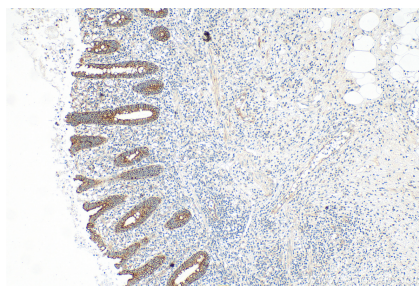
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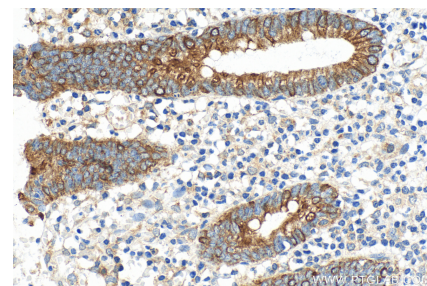
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82817-5-RR (KRT18 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 82817-5-RR (Cytokeratin 18 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 82817-5-RR (Cytokeratin 18 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Cytokeratin 18 antibody (82817-5-RR, Clone: 4F2) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).