

## Cytokeratin 18 Recombinant antibody

**Cat:**B32043R

**Company:** Haokebio

**Uniprot ID:**P05783

**Applications:** IHC:1:100-1:200

**Organism:**Rabbit

IHC-Polymer:1:400-1:800

**Species reactivity:**Human

TSA:1:500-1:1000

### Background:

CK18 (Cytokeratin 18, also referred to as Keratin 18) is a type I cytokeratin. CK18 and its type II partner, CK8, are likely the most common products of the intermediate filament gene family. In some epithelial cell types, CK8 and CK18 are the only keratins present. A classic example is the liver: CK8/CK18 is the only pair of keratins in normal hepatocytes, serving as a characteristic marker of the liver. This is also true for other highly specialized parenchymatous epithelial cells, such as the acinar cells of the pancreas, the proximal tubular epithelial cells of the kidney, and certain endocrine cells like pancreatic islet cells. Furthermore, CK8/CK18, along with other keratins, is found in various pseudostratified (e.g., respiratory) and complex (e.g., glandular) epithelia, as well as bladder epithelium. Even in non-keratinized stratified squamous epithelial cells, CK8, CK18, together with CK19 and fundamental stratified epithelial keratins, can be expressed in a concentrated manner in the basal cell layer. In terms of malignant tumors, CK8 and CK18 are expressed in most cancers, except for some differentiated squamous cell carcinomas. Therefore, CK8 and CK18 antibodies show distinct staining for most adenocarcinomas, hepatocellular carcinomas, renal cell carcinomas, and neuroendocrine carcinomas.

### Protein full name:

keratin 18

### Synonyms:

KRT18, Cell proliferation-inducing gene 46 protein, CK 18, CK18, CK-18

### Immunogen:

Peptide

### Isotype:

IgG

### Subcellular location:

Cytoplasm

### Purity:

Affinity purification

### Form:

Liquid

### Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

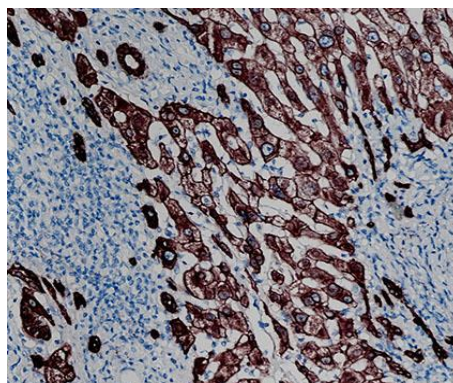
### Storage:

Store at -20 °C for one year.

### Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

### Images:



Sample: Human liver tissue, 4% PFA 12-24h

### Source of Reagents:

发表[中文论文]请标注:Cytokeratin 18(B32043R)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:Cytokeratin 18(B32043R) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.

