



Rabbit Anti-Human KRT18 Monoclonal Antibody, clone CQ7165 (CABT-Z225R)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Synthetic peptide corresponding to cytokeratin 18 residues within aa330-430 of cytokeratin 18 was used as an immunogen.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	CQ7165
Purification	ProA affinity purified IgG.
Conjugate	Unconjugated
Applications	IHC-P Recommended concentration: IHC-P: 1:100-1:200
Molecular Weight	48 kDa
Cellular Localization	Cytoplasm
Positive Control	Liver
Format	Liquid
Concentration	Lot specific
Size	100 µl

Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.
Preservative	0.01% Sodium azide
Storage	Store at -20 °C. Avoid freeze/thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Cytokeratin 18 (also named keratin 18) is a type I cytokeratin. It is, together with its filament partner keratin 8, perhaps the most commonly found products of the intermediate filament gene family. In some epithelial cell types, keratin 8 and keratin 18 are the sole keratins present. The classical example is the liver, with keratin 8/keratin 18 representing the characteristic and only keratin pair of normal hepatocytes. The same is true for other highly specialized parenchymatous epithelia such as acinar cells of the pancreas, proximal tubular epithelial cells of the kidney, and certain endocrine cells such as pancreatic islet cells. Furthermore, keratin 8/keratin 18 occur together with other keratins—in various pseudostratified (e.g. respiratory) and complex (e.g. glandular) epithelia and in the urothelium; in these composite epithelial tissues, keratin 8 and keratin18 are often most prominent in the lumen-lining cells. Even in non-keratinizing stratified squamous epithelia, keratin 8 and keratin 18 may be focally expressed in the basal cell layer, together with keratin 19 and the constitutive stratified-epithelial keratins. In regard to malignant tumors, keratin 8 and keratin 18 are expressed in most carcinomas except for some differentiated squamous cell carcinomas. Therefore, keratin 8 and keratin 18 antibody strongly stain most adenocarcinomas, hepatocellular carcinomas, renal cell carcinomas, and neuroendocrine carcinomas.
Keywords	KRT18; keratin 18, type I; K18; CYK18; keratin, type I cytoskeletal 18; CK-18; keratin-18; cytokeratin 18; cytokeratin-18; cell proliferation-inducing protein 46; cell proliferation-inducing gene 46 protein

GENE INFORMATION

Gene Name	KRT18
Entrez Gene ID	3875
UniProt ID	P05783