



# Rabbit Anti-Human KRT10 Monoclonal Antibody, clone CQ7168 (CABT-Z227R)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	Synthetic peptide corresponding to Cytokeratin 10 residues within aa484-584 of Cytokeratin 10 was used as an immunogen.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	CQ7168
<b>Purification</b>	ProA affinity purified IgG.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P Recommended concentration: IHC-P: 1:100-1:200
<b>Molecular Weight</b>	59 kDa
<b>Cellular Localization</b>	Cytoplasm
<b>Positive Control</b>	Cervix
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µl

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

## BACKGROUND

<b>Introduction</b>	<p>Cytokeratin 10 is a member of the type I (acidic) cytokeratin family, which belongs to the superfamily of intermediate filament (IF) proteins. Cytokeratin 10 can specifically inhibits proliferation and cell cycle progression of keratinocytes.</p> <p>Cytokeratin 10 is usually expressed in suprabasal keratinocytes and can also be seen in suprabasal cells of internal noncornifying, stratified squamous epithelia. In addition, cytokeratin 10 is reported to be a typical component of cells of eccrine sweat gland ducts and sebaceous cells. Cytokeratin 10 was found to be sparse in poorly differentiated squamous cell carcinoma, even though it has been reported that focal cytokeratin 10 expression has been found in 50% of cases of oral and pharyngeal squamous cell carcinoma. Cytokeratin 10 has demonstrated utility in the differentiation of extra-mammary Paget's disease (negative) from basal cell carcinoma and squamous cell carcinoma (positive).</p>
<b>Keywords</b>	KRT10; keratin 10, type I; BIE; EHK; K10; KPP; BCIE; CK10; keratin, type I cytoskeletal 10; CK10; keratin-10; cytokeratin 10

## GENE INFORMATION

<b>Gene Name</b>	KRT10
<b>Entrez Gene ID</b>	<a href="#">3858</a>
<b>UniProt ID</b>	<a href="#">P13645</a>