

**Keratin8/18 mouse mAb**

<b>Catalog No :</b>	YM1468
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;ICC
<b>Target :</b>	Cytokeratin 8
<b>Gene Name :</b>	krt8/18
<b>Human Gene Id :</b>	3856/3875
<b>Human Swiss Prot No :</b>	P05787/P05783
<b>Immunogen :</b>	Recombinant protein corresponding to full length Keratin8 of human.
<b>Specificity :</b>	This antibody detects endogenous levels of keratin8/18.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:500-2000, ICC 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	55/48kD
<b>Background :</b>	keratin 8(KRT8) Homo sapiens This gene is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. The product of this gene typically dimerizes with keratin 18 to form an intermediate filament in simple single-layered epithelial cells. This protein plays

a role in maintaining cellular structural integrity and also functions in signal transduction and cellular differentiation. Mutations in this gene cause cryptogenic cirrhosis. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2012],

### Function :

disease:Defects in KRT8 are a cause of cryptogenic cirrhosis [MIM:215600].,function:Together with KRT19, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.,miscellaneous:There are two types of cytoskeletal and microfibrillar keratin: I (acidic; 40-55 kDa) and II (neutral to basic; 56-70 kDa).,PTM:O-glycosylated at multiple sites; glycans consist of single N-acetylglucosamine residues.,PTM:Phosphorylation on serine residues is enhanced during EGF stimulation and mitosis. Ser-74 phosphorylation plays an important role in keratin filament reorganization.,similarity:Belongs to the intermediate filament family.,subunit:Heterotetramer of two type I and two type II keratins. keratin-8 associates with keratin-18. Associates with KRT20. Interacts with HCV core protein and PNN. When associated with KRT19, interacts with DMD. Interacts with TCHP.,tissue spec

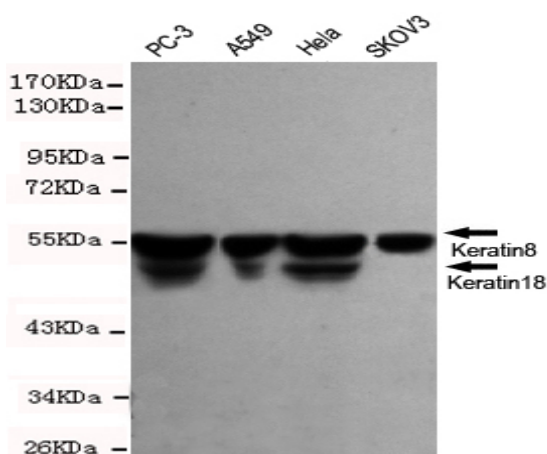
### Subcellular Location :

Cytoplasm . Nucleus, nucleoplasm . Nucleus matrix .

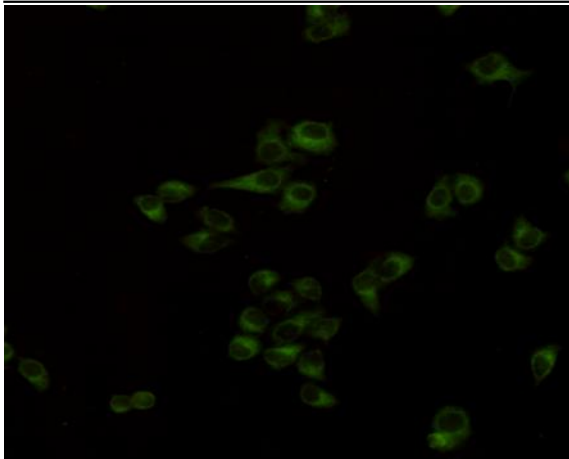
### Expression :

Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma membrane in structures that contain dystrophin and spectrin. Expressed in gingival mucosa and hard palate of the oral cavity.

## Products Images



Western blot detection of keratin8/18 in HeLa, A549, PC-3 and SKOV3 cell lysates using keratin8/18 antibody (1:1000 diluted). Predicted band size:55kDa. Observed band size:55kDa.



Immunocytochemistry staining of HeLa cells using anti-keratin8/18 antibody (dilution 1:200).