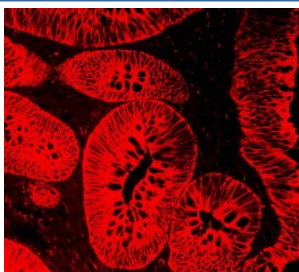


Cytokeratin 18 Antibody [clone CY-90] (R30024)

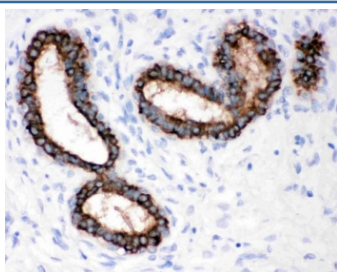
Catalog No.	Formulation	Size
R30024	0.5mg/ml with 1% BSA and 0.01% sodium azide if reconstituted with 0.2ml sterile 1X PBS	100 ug

[Bulk quote request](#)

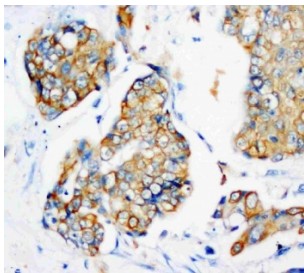
Availability	1-3 business days
Species Reactivity	Human
Format	Ascites
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	CY-90
Purity	Unpurified ascites
Gene ID	3875
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Immunohistochemistry (Frozen) : 0.5-2ug/ml; formalin or acetone fixed tissues Immunofluorescence : 5ug/ml
Limitations	This Cytokeratin 18 antibody is available for research use only.



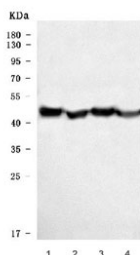
Immunofluorescent staining of FFPE human rectal cancer tissue with Cytokeratin 18 antibody. HIER: steam section in pH8 EDTA buffer for 20 min.



IHC staining of FFPE human breast cancer tissue with Cytokeratin 18 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human breast cancer tissue with Cytokeratin 18 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) placenta, 2) A431, 3) Caco-2 and 4) HepG2 cell lysate with Cytokeratin 18 antibody. Predicted molecular weight ~48 kDa.

Description

Intermediate filaments (IFs) are a structurally related family of cellular proteins that appear to be intimately involved with the cytoskeleton. Human keratin 18 (KRT18) and the homologous mouse Endo B are type I IF protein subunits whose expression is restricted in adults to a variety of simple epithelial tissues. The KRT18 gene is 3,791 bp long and the Cytokeratin 18/Keratin 18 protein is coded for by 7 exons. By Southern blotting using the genomic DNA PCR product, the gene for Cytokeratin 18 has been assigned to chromosome 12. Mutation of human Keratin 18 has been associated with cryptogenic cirrhosis.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Cytokeratin 18 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

The human epidermal carcinoma A-431 and MCF-7 human breast cancer cell lines was used as the immunogen for this Cytokeratin 18 antibody.

Storage

After reconstitution, the Cytokeratin 18 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.