



MONOCLONAL ANTIBODY

For research use only. Not for clinical diagnosis

Catalog No. CEC-046

Anti- Cytokeratin18 (CK18) antibody

BACKGROUND

Recently, it could be shown that the induction of CK 8/18 expression in non-malignant buccal mucosa cells resulted in a significant change of phenotypic characteristics after CK 8/18 transfection. These changes include an increased cellular motility, which might give first hints for an increased tumor aggressiveness and poor patient prognosis.

Product type	Primary antibody
Immunogen	Synthetic peptide corresponding to the C-terminal 10 aa (aa 414 - 423) of rat and mouse CK18, ETNDTRVLRH.
Host	Mouse
Clone number	D2C7
Isotype	IgG2a, κ
Source	Culture supernatant
Purification	Ion-exchange chromatography
Form	Liquid
Presentation	Purified monoclonal antibody in PBS, 50% Glycerol, 0.05%w/v ProClin300
Concentration	1 mg/mL
Volume	100 μ L
Label	Unlabeled
Specificity	Cytokeratin18
Cross reactivity	Human, Monkey, Mouse, Rat Other species have not been tested.
Storage	Store below -20°C (below -70°C for prolonged storage) Aliquot to avoid cycles of freeze/thaw.
Other	-

Application notes **Recommended use**
WB, ICC, IHC Not tested for other applications.

Recommended dilutions
Western blotting, 1/1000 to 1/5000
Immunocytochemistry, 1/100 to 1/500
Immunohistochemistry, 1/100 to 1/500

Optimal dilutions/concentrations should be determined by the end user.

References 1) Linder et al.,(2004) Determining tumor apoptosis and necrosis in patient serum using cytokeratin 18 as a biomarker. Cancer Lett.,214,1-9.

ANTIBODY CHARACTERIZATION

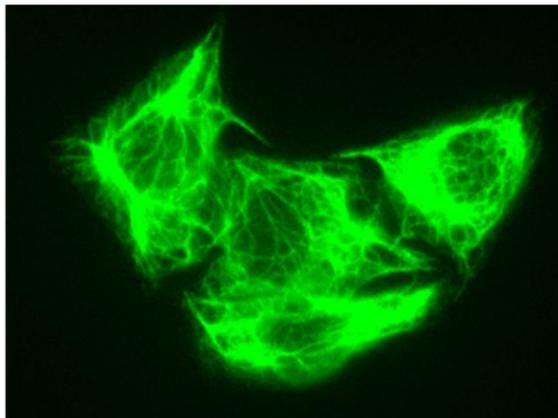


Fig.1 Immunocytochemistry/ Immunofluorescence – Cytokeratin18 (CK18) antibody (D2C7), HeLa cells

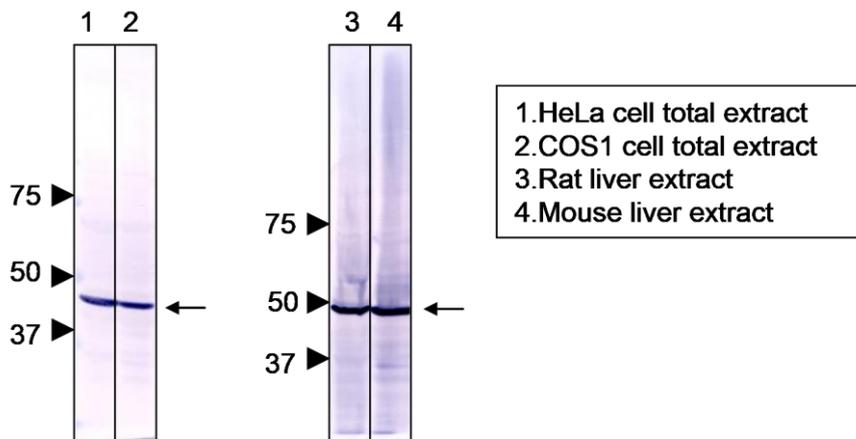


Fig.2 Western blot - Cytokeratin18 (CK18) antibody (D2C7),
1.HeLa, 2.COS1, 3.Rat liver, 4.Mouse liver total extracts

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