Monoclonal Antibody
Catalog No. CEC-046

For research use only.
Not for use in diagnostic procedures.

Anti-Cytokeratin18 (CK18) antibody

Clone	Cross reactivity	Application notes	Host	Isotype	Storage
D2C7	Hu, Mk, Ms, Rat	WB, ICC, IHC,	Mouse	IgG2a, κ	-20°C

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 tumour aggressiveness and poor patient prognosis.

Immunogen Synthetic peptide corresponding to the C-terminal 10 aa (aa 414 - 423) of rat and mouse CK18, ETNDTRVLRH

Host Mouse
Isotype IgG2a, κ
Cross reactivity Human, Monkey, Mouse, Rat
Other species have not been tested.
Specificity Cytokeratin18
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
Optional dilutions/concentrations should be determined by the end user.

Data

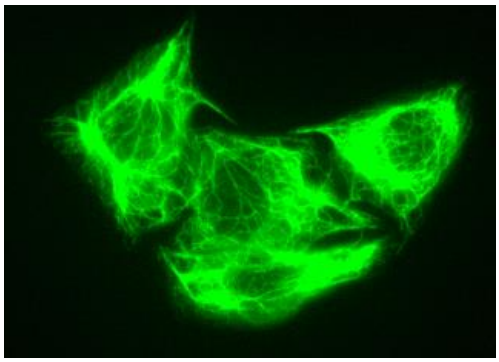

Fig.1 Immunocytochemistry/Immunofluorescence
- Cytokeratin18(CK18) antibody (D2C7)
HeLa cells

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 μL
Storage Store below -20°C
(below -70°C for prolonged storage)
Aliquot to avoid cycles of freeze/thaw.

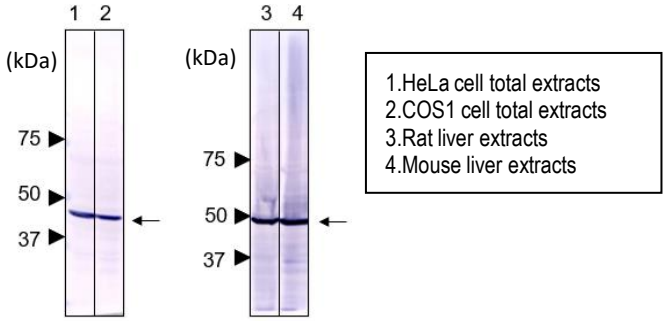

Fig.2 Western blot - Cytokeratin18(CK18) antibody (D2C7)
1. HeLa cell, 2. COS1 cell, 3. rat liver, 4. Mouse liver total extracts

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.
2) *TOXICOLOGICAL SCIENCES* ,(2011) 119: 61–72.
This antibody is used in ref.2.

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