COSMO BIO CO., LTD.
Inspiration for Life Science

MONOCLONAL ANTIBODY

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Catalog No. CE-044A

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 antibodies
Host	Mouse
Source	Culture supernatant
Form	Liquid
	Purified monoclonal antibody in PBS, 50% Glycerol, 0.05% NaN3.
Volume	100 µl
Concentration	1 mg/ml
Specificity	Cytokeratin18
Antigen	Synthetic peptide corresponding to the C-terminal 10 aa (aa 414 - 423) of rat and mouse CK18, ETNDTRVLRH.
Clone	D2C7
Isotype	IgG2a

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

Recommended dilutions

Western blotting, 1/1,000 to 1/5,000

Immunocytochemistry, 1/100 to 1/500

Immunohistochemistry, 1/100 to 1/500

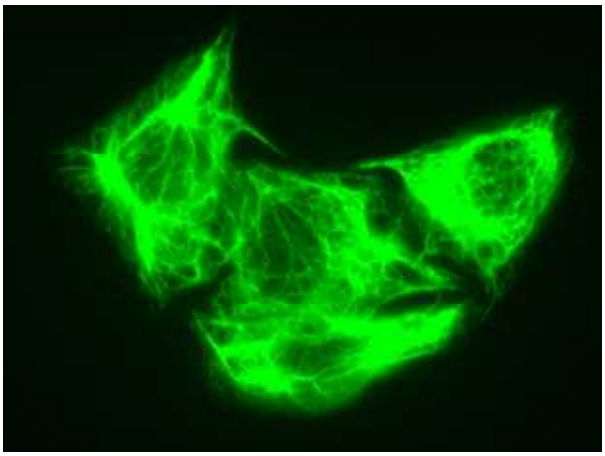

Fig.1 Immunocytochemistry/ Immunofluorescence - Cytokeratin-18(CK18) antibody (D2C7)
HeLa cells

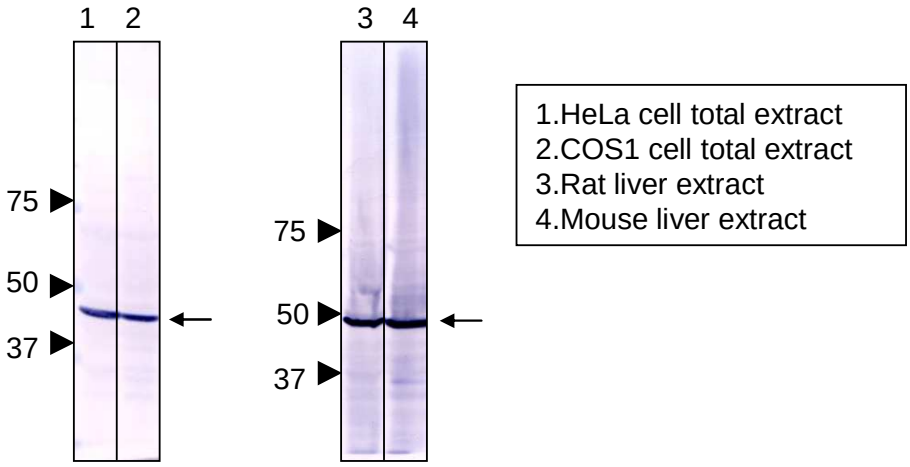

Fig.2 Western blot - Cytokeratin-18(CK18) antibody (D2C7)
1.HeLa, 2.COS1, 3.rat liver, 4.mouse liver total extracts

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

Cross reactivity Human, Monkey, Mouse, Rat Other species have not been tested.

Storage Store below -20℃ (below -70℃ for prolonged storag e).

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.

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TOYO 2CHOME, KOTO-KU, TOKYO, 135-0016, JAPAN
URL: http://www.cosmobio.co.jp e-mail: export@cosmobio.co.jp
[Outside Japan] Phone : +81-3-5632-9617 [国内連絡先] Phone : +81-3-5632-9610
FAX : +81-3-5632-9618 FAX : +81-3-5632-9619