



MONOCLONAL ANTIBODY

Catalog No. YCU-MK-TF01

Anti IGFBP-rP1

(insulin-like growth factor binding protein-related protein 1, mac25, TAF, angiomodulin)

Product type	Primary antibodies
Host	Mouse
Source	
Form	Liquid PBS (pH7.2) with 0.02% NaN ₃ as a preservative.
Volume	100 µl
(Concentration)	(1.0 mg/ml)
Specificity	Specific for IGFBP-rP1
Antigen	Human IGFBP-rP1
Clone	88
Isotype	

Application notes WB, ELISA, IHC (Not tested in other applications.)

Recommended use

Recommended dilutions

Western blotting, 1/1000 to 1/4000
Predicted molecular weight: 33kDa and 25kDa
ELISA, 1/2000 to 1/4000
Immunohistochemistry, 1/100 to 1/200

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

Staining Pattern

Cross reactivity Reacts with human antigen. Not tested for other species.

Storage Store below -20°C (below -70°C for prolonged storage).

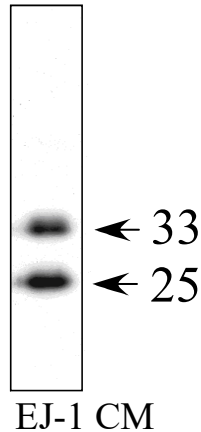
Aliquot to avoid cycles of freeze/thaw.

References

- 1) Sato, Y., Chen, Z., Miyazaki, K.: Strong suppression of tumor growth by insulin-like growth factor-binding protein-related protein 1/tumor-derived cell adhesion factor/mac25. *Cancer Sci.* 98:1055-1063, 2007
- 2) Ahmed, S., Jin, X., Yagi, M., Yasuda, C., Sato, Y., Higashi, S., Lin, CY., Dickson, RB., Miyazaki, K.: Identification of membrane-bound serine proteinase matriptase as processing enzyme of insulin-like growth factor binding protein-related protein-1 (IGFBP-rP1/angiomodulin/mac25). *FEBS J.* 273:615-627, 2006
- 3) Ahmed, S., Yamamoto, K., Sato, Y., Ogawa, T., Herrmann, A., Higashi, S., Miyazaki, K.: Proteolytic processing of IGFBP-related protein-1 (TAF/angiomodulin/mac25) modulates its biological activity. *Biochem Biophys Res Commun.* 310:612-618, 2003
- 4) Sato, J., Hasegawa, S., Akaogi, K., Yasumitsu, H., Yamada, S., Sugahara, K., Miyazaki, K.: Identification of cell-binding site of angiomodulin (AGM/TAF/Mac25) that interacts with heparin sulfates on cell surface. *J Cell Biochem.* 75: 187-195, 1999
- 5) Akaogi, K., Sato, J., Okabe, Y., Sakamoto, Y., Yasumitsu, H., Miyazaki, K.: Synergistic growth stimulation of mouse fibroblasts by tumor-derived adhesion factor with insulin-like growth factors and insulin. *Cell Growth Differ.* 7: 1671-1677, 1996



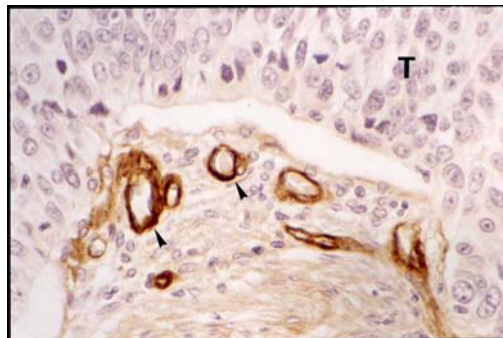
- 6) Akaogi, K., Okabe, Y., Sato, J., Nagashima, Y., Yasumitsu, H., Sugahara, K., and Miyazaki, K.: Specific accumulation of tumor-derived adhesion factor in tumor blood vessels and in capillary tube-like structures of cultured vascular endothelial cells. Proc. Natl. Acad. Sci. USA, 93: 8384-8389, 1996
- 7) Akaogi, K., Okabe, Y., Funahashi, K., Yoshitake, Y., Nishikawa, K., Yasumitsu, H., Umeda, M., Miyazaki, K.: Cell adhesion activity of a 30-kDa major secreted protein from human bladder carcinoma cells. Biochem Biophys Res Commun. 189: 1046-53, 1994



Western Blot Analysis for extracted cell culture supernatant of Human Bladder carcinoma Cell Line EJ-1

25kDa : Cleaved form of IGFBP-rP1

33kDa : non- Cleaved form of IGFBP-rP1



Result of Immunohistochemistry for tumor tissue of human Esophagus Cancer (paraffin embedded section)

For research use only. Not for clinical diagnosis.



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