Antibodies

Data Sheet

HUMAN THYMOSIN β10 (aa 1-14)

ANTIBODY, POLYCLONAL

Catalog no.: A 9561.1 / A 9561.2

Immunogen: Synthetic human Thymosin β10 (aa 1-14) KLH conjugated (AcADKPDMGEIASFDK)

Swiss-Prot No: P63313

Gene Information: Gene Name: TMSB10, PTMB10, THYB10

GeneID: 9168

Host: Rabbit

Matrix: Serum

Specificity: Human Thymosin β10 (aa 1-14), human Thymosin β10

There was no cross reactivity obtained with human Thymosin β4, Thymosin β9, Thymosin β15, Thymosin β4 peptide (aa 1-4), and Thymosin β4 (aa 1-14).

Contents: 20 µl / 100 µl (lyophilized)

Resuspend in 20 µl / 100 µl aqua bidest.

Known applications: ELISA (1:1000), immunocytochemistry[2]

This antibody has not been tested for use in all applications. This does not necessarily exclude its use for non-tested procedures. The stated dilutions are recommendations only. We suggest that the applicant titrates the antibody in his/her system using appropriate negative/positive controls.

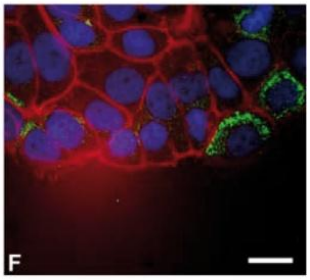

Figure 1: Immunofluorescence image of Thymosin beta10 staining of MCF7 cells in a wound/scratch assay. The cells were fixed, stained with A 9561, followed by incubation with Alexa-488 goat anti-rabbit IgG (1:400) (Molecular Probes). F-actin and DNA were visualized using Alexa-594 phalloidin (Molecular Probes) and bisbenzimide (Sigma), respectively. A 9561 stains the cytoplasm of migrating MCF7 cells at the edge of the wound.

Mælan AE et al. (2007) Histochem Cell Biol 127:109–113

Store at: 2-8 °C (lyophilized); - 20 °C (dissolved)

Repeated thawing and freezing must be avoided

References:

1. Hörger S, Gallert B, Echner H, Voelter W (1992). Synthese eines Thymosin beta-10-Fragments zur Entwicklung spezifischer Antikörper. *Z Naturforsch* **47b**:1170-4.

2. Maelan AE, Rasmussen TK, Larsson LI (2007). Localization of thymosin beta10 in breast cancer cells: relationship to actin cytoskeletal remodeling and cell motility. *Histochem Cell Biol* **127**(1)**:** 109-113.

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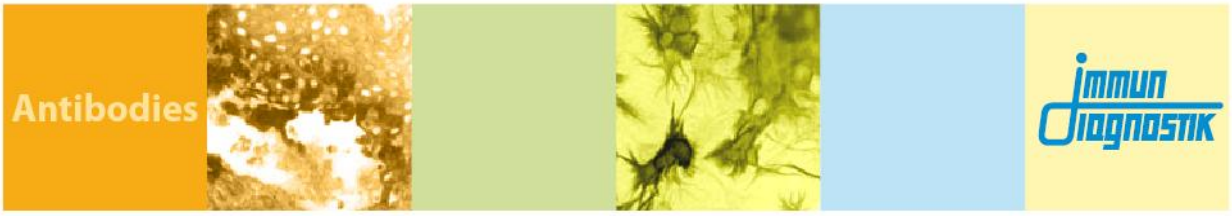

For research use only

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