Antibodies

Data Sheet

HUMAN THYMOSIN β4 (aa 1-43)

ANTIBODY, POLYCLONAL

Catalog no.: A 9522.1 / A 9522.2

Immunogen: Synthetic human Thymosin β4 (aa 1-43) KLH conjugated (AcSDKPDMAEIEKFDKSKLKKTETQEKNPLPSKETIEQEKQAGES)

Synonyms: T beta-4, Fx

Swiss-Prot No: P62328

Gene Information: Gene Name: TMSB4X, TB4X, THYB4, TMSB4

Gene ID: 7114

Host: Rabbit

Matrix: Serum

Specificity: Human Thymosin β4

Cross-reactivity with human Thymosin β9 and β10

Contents: 20 µl / 100 µl (lyophilized)

Resuspend in 20 µl / 100 µl aqua bidest.

Known applications: ELISA (1:4000)[1], Western Blot[2], immunohistochemistry (paraffin sections, 1:100-1000)[2], immunocytochemistry (1:100)[2]

This antibody has not been tested for use in all applications. This does not necessarily exclude its use in non-tested procedures. The stated dilutions are recommendations only. End users should determine optimal dilutions in their system using appropriate negative/positive controls.

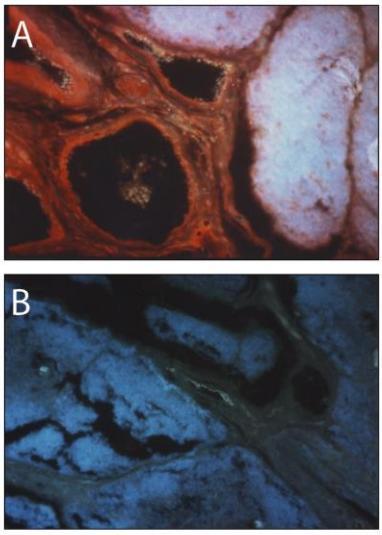

Figure 1: Immunofluorescence image of Thymosin β4 staining in paraffin section of juvenile thymus tissue. The section was incubated with A 9522 (1:100), followed by an appropriate secondary antibody coupled to Cy3. **A.** A 9522 stains smooth muscle, epithelial and dendritic cells. Original magnification 20x. **B.** Control section. Original magnification 10x.

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

Repeated thawing and freezing must be avoided

References:

1. Becker S, Armbruster FP, Muller B, Echner H, Kapurnotu A, Livaniou E, Mihelic M, Stoeva S, Voelter W (1994). Theoretical and experimental epitope mapping of thymosin beta 4. *J Immunol Methods* **177**(1-2)**:** 131-137.

2. Wirsching HG, Krishnan S, Florea AM, Frei K, Krayenbuhl N, Hasenbach K, Reifenberger G, Weller M, Tabatabai G (2014). Thymosin beta 4 gene silencing decreases stemness and invasiveness in glioblastoma. *Brain 2014 Feb;* **137**(Pt2):433-48 [epub ahead of print].

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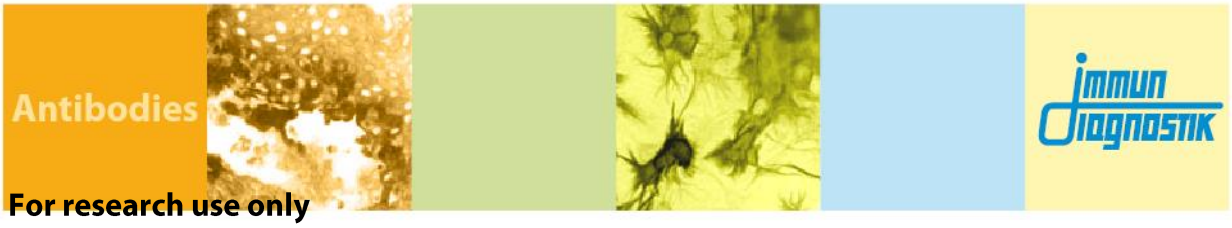

For research use only

Publishing research using A 9522? Please let us know so that we can cite your publication as a reference.

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