Data Sheet

HUMAN THYMOSIN β4 (aa 38-43)

ANTIBODY, POLYCLONAL

Catalog no.:	A 9550.1 / A 9550.2
Immunogen:	Synthetic human Thymosin β4 (aa 38-43) KLH conjugated (KQAGES)
Synonyms:	T beta-4, Fx
Swiss-Prot No:	P62328
Gene Information:	Gene Name: TMSB4X, TB4X, THYB4, TMSB4
	GeneID: 7114
Host:	Rabbit
Matrix:	Serum
Specificity:	Human Thymosin β4 (aa 38-43), human, rat and mouse Thymosin β4
	There was no cross reactivity obtained with human Thymosin β10, bovineThymosin β9, human Thymosin β15, human Thymosin β4 (aa 1-4) and human Thymosin β4 (aa 1-14).
Contents:	20 µl / 100 µl (lyophilized)
	Resuspend in 20 µl / 100 µl aqua bidest.
Known applications:	ELISA (1:3000-5000)[1, 2], dot blot (1:1000)[2], immunohistochemistry (cryosections, 1:500)[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.

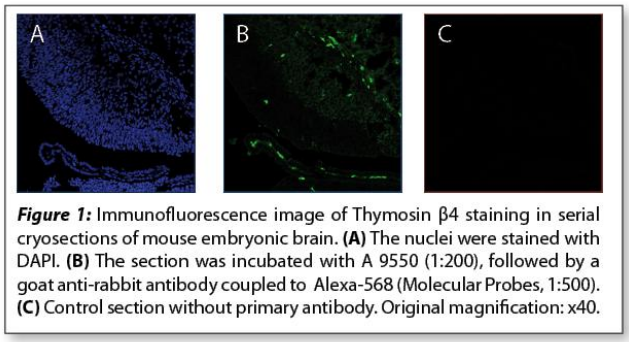

Figure 1: Immunofluorescence image of Thymosin β4 staining in serial cryosections of mouse embryonic brain. **(A)** The nuclei were stained with DAPI. **(B)** The section was incubated with A 9550 (1:200), followed by a goat anti-rabbit antibody coupled to Alexa-568 (Molecular Probes, 1:500). **(C)** Control section without primary antibody. Original magnification: x40.

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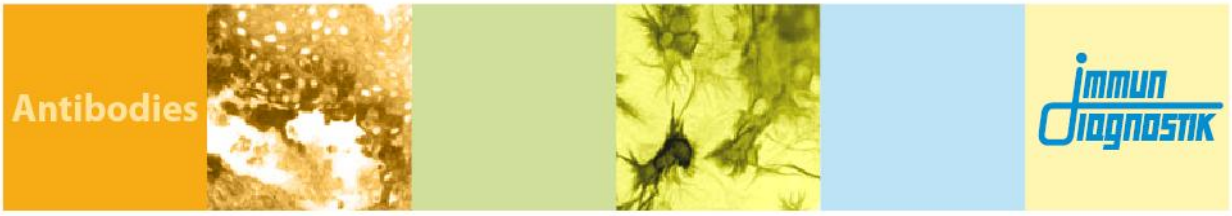

Store at: 2-8 °C (lyophilized); - 20 °C (dissolved)

Repeated thawing and freezing must be avoided

References:

1. Roboti Al, Vassiliadou I, Leondiadis L, Livianiou E, Ferderigos N, Ithakissios D (1997). Development of Specific Anti-peptide Antisera for Human Beta Thymosins. In: P. Cordopatis (Ed.), *Hellenic Forum for Bioactive Peptides*, Crete University Press, Athens, p. 303-309.

2. Anadon R, Rodriguez Moldes I, Carpintero P, Evangelatos G, Livianou E, Leondiadis L, Quintela I, Cervino MC, Gomez-Marquez J (2001). Differential expression of thymosins beta(4) and beta(10) during rat cerebellum postnatal development. *Brain Res* **894**(2)**:** 255-265.

Last updated on: 18 August 2016

For research use only

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