

## Anti-TMSB4X Polyclonal Antibody

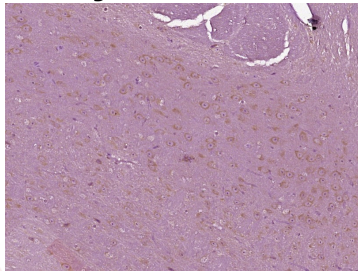
## Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat)
Molecular Weight:	Theoretical: 4.8 kDa.
Purification:	Protein A purified

## Applications

## Verified Activity:

Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Thymosin beta 4) Polyclonal Antibody, Unconjugated (TMAB-01868) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Application:	IF,IHC-Fr,IHC-P
Recommended	IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Thymosin beta 4
Antigen Species:	Human
Gene ID:	7114
Uniprot ID:	P62328
Synonyms:	T beta-4;THYB4;TMSB4;TB4X;Thymosin beta-4;Fx;TMSB4X

## Research Background

Proteins in the thymosin beta family are highly conserved polar peptides that bind monomeric Actin and thereby inhibit Actin polymerization. These proteins act as the main intracellular G-Actin sequestering peptides. The most abundant thymosin beta family member in mammalian cells and tissues is thymosin beta-4 (Tbeta-4), also designated Seraspenide. T beta-4 participates in several cellular events including cancerogenesis, apoptosis,

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angiogenesis, blood coagulation and wound healing. Specifically, T beta-4 promotes cell migration and adhesion, accelerates wound healing and reduces inflammation, and becomes upregulated in a wide variety of human carcinomas. Due to the effects of T beta-4 in these events, it may become a protein of significant biological and pharmaceutical relevance.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481