
Thymosin beta 4 Rabbit pAb

Catalog Number: bs-9870R

Target Protein: Thymosin beta 4

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:50-200)

Reactivity: Mouse (predicted:Human, Rat)

Predicted MW: 4.8 kDa

Entrez Gene: 7114

Swiss Prot: P62328

Source: KLH conjugated synthetic peptide derived from human Thymosin beta 4: 37-44/44.

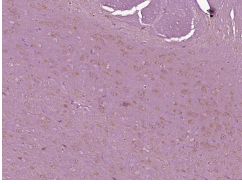
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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, 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.

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Thymosin beta 4) Polyclonal Antibody, Unconjugated (bs-9870R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.