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## TMSB4X Antibody Blocking Peptide

Catalog Number: bs-9870P

Activity: Not tested

Purification: HPLC

Storage: Shipped at 4°C. Stored 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.

### PRODUCT SPECIFIC PUBLICATIONS

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**[IF=2.164]** Li, Wandu. et al. The preliminary study of exosomes derived from thymosin beta 4-treated adipose-derived stem cells in fat grafting. GENES GENOM. 2022 Nov;;1-15 Other ; . 36445571