

T Beta 10 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP54316

Product Information

Application IHC-P, IHC-F, IF, E

Primary Accession P63313

Reactivity Rat, Pig, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 5026
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived from human T Beta 10

Epitope Specificity 13-110/44 Isotype IgG

Purity affinity purified by Protein A

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

SUBCELLULAR LOCATION Cytoplasm, cytoskeleton.

SIMILARITY Belongs to the thymosin beta family.

Important Note This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

Background Descriptions The beta thymosins are a family of related peptides, initially isolated from calf

thymus but known to be present in a wide variety of mammalian and other vertebrate cells and tissues. Thymosin beta 4 was the first member of the family to be characterized. Although TMSB4 was initially proposed to be a thymic hormone acting at early stages of T cell maturation, the high

concentration of the protein and its mRNA in a number of other tissues and cells, as well as the lack of an identifiable secretory signal sequence,

suggested that it had a general function in many cell types. Thymosin beta 10 is closely related in sequence to TMSB4 and is also an actin sequestering

protein.

Additional Information

Gene ID 9168

Other Names Thymosin beta-10, TMSB10, PTMB10, THYB10

Dilution IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000

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

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name TMSB10

Synonyms PTMB10, THYB10

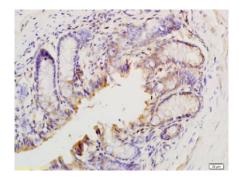
Function Plays an important role in the organization of the cytoskeleton. Binds to and

sequesters actin monomers (G actin) and therefore inhibits actin

polymerization (By similarity).

Cellular Location Cytoplasm, cytoskeleton.

Images



Tissue/cell: mouse small intestine; 4%
Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-T-Beta-10 Polyclonal Antibody,
Unconjugated(bs-R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.

DAB(C-0010) staining