

T Beta 10 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP54316

Specification

T Beta 10 Polyclonal Antibody - Product Information

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

Primary Accession P63313

Reactivity
Host
Clonality
Calculated MW
Physical State

Rat, Pig, Dog, Bovine
Rabbit
Polyclonal
4.9 KDa
Liquid

Immunogen KLH conjugated synthetic peptide derived

laG

from human T Beta 10

Epitope Specificity 13-110/44

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
Important Note

Belongs to the thymosin beta family.

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.

T Beta 10 Polyclonal Antibody - Additional Information

Gene ID 9168

Other Names

Thymosin beta-10, TMSB10, PTMB10, THYB10

Dilution

IHC-P~~N/A
<span class

="dilution_IHC-F">IHC-F~~N/A<br \> <span class

="dilution_IF">IF \sim 1:50 \sim 200<br\>E \sim N/A



Storage

Store at -20 $^{\circ}$ 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 $^{\circ}$ C.

T Beta 10 Polyclonal Antibody - 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

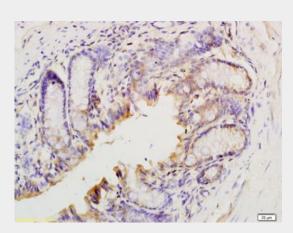
Cytoplasm, cytoskeleton.

T Beta 10 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

T Beta 10 Polyclonal Antibody - 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 DAB(C-0010) staining

