PTMA polyclonal antibody

Catalog: BS60817 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Prothymosinα(PTα) is a nuclear protein that iswidely expressed inmammalian tissues, including kidney, liver,spleen, normal lymphocytes, human T cell
leukemia virus-infected T cells andmyeloma cells. The human PTα genemaps
to chromosome 2 and encodes a protein that exhibits punctuated nuclear distribution,which correlatesto transcription sites. PTα is a chromatin-remodeling protein that wasinitiallythought to mediate T lymphocyte maturation,
butsubsequently has been shown to be involved in cell-cycle progression,
proliferation and cell differentiation. PTα isthought to be transported into the nucleus bythe karyopherin β1-Rch-1 complex,where it associates with Histones H2A, H2B, H3 and H4. Also, PTα is phosphorylated on Thr 7 and Thr 12 or 13 by Prothymosin α-phosphorylating kinase (PTαK) in amitogen activating pathway. The amino terminus of PTα iscleaved to produce a secreted, biologically active peptide thymosin α1,whichmay be used as an immunomodulatorin cancer patients and patients with chronic active hepatitis,
or as an immunoen hancer of vaccinesin immunocompromised individuals.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 12 kDa

Swiss-Prot:

P06454

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

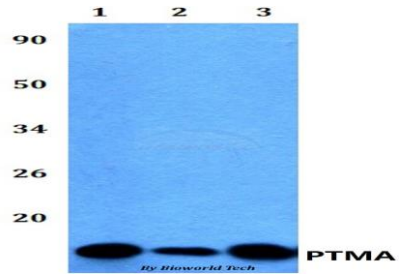
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

PTMA polyclonal antibody detects endogenous levels of PTMA protein.

DATA:



Western blot (WB) analysis of PTMA polyclonal antibody at 1:500 dilution

Lane1:Hela whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:PC12 whole cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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