

Plasminogen (Y233) polyclonal antibody

Catalog: BS9229

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Cleavage of the serine proteinase plasminogen to form plasmin is the central event in the dissolution of blood clots by the fibrinolytic system. Within the fibrinolytic cascade, the serine proteinases urokinase-type plasminogen activator (uPA) and tissue-type plasminogen activator (tPA) activate the proenzyme plasminogen by cleaving plasminogen to form the fibrinolytically active enzyme plasmin. The enzyme plasmin consists of a heavy chain of 561 amino acids, which originates from the N-terminus of plasminogen, and a light chain of 230 amino acid residues, which is derived from the C-terminus of plasminogen. Plasmin is a proangiogenic proteinase that is capable of degrading a variety of extracellular matrix proteins and that facilitates endothelial cell migration and angiogenesis. In the presence of free sulfhydryl donors (FSD), plasmin undergoes auto-proteolysis and is converted to the enzyme angiostatin, which blocks angiogenesis and neovascularization and can inhibit the growth of primary and metastatic tumors.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 100 kDa

Swiss-Prot:

P00747

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

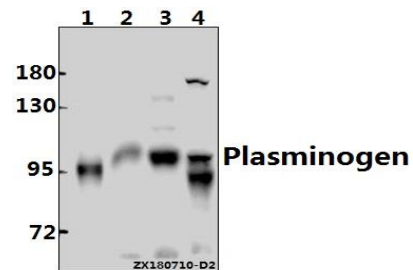
Storage&Stability:

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

Specificity:

Plasminogen (Y233) polyclonal antibody detects endogenous levels of Plasminogen protein.

DATA:



Western blot (WB) analysis of Plasminogen (Y233) pAb at 1:500 dilution

Lane1:L02 whole cell lysate(10ug)

Lane2:The Testis tissue lysate of Mouse(40ug)

Lane3:The Testis tissue lysate of Rat(40ug)

Lane4:K562 whole cell lysate(20ug)

Note:

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

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