

Prothrombin polyclonal antibody

Catalog: BS61767

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Hemostasis following tissue injury involves the deployment of essential plasma procoagulants (Prothrombin and Factors X, IX, V and VIII), which mediate a blood coagulation cascade that leads to the formation of insoluble Fibrin clots and the promotion of platelet aggregation. Proteolytic cleavage of Prothrombin (Factor II) at residue 44 leads to formation of Thrombin in the first step of the coagulation cascade. Thrombin cleaves bonds between Arg and Gly and activates Factors V, VII, VIII and XIII in complex with thrombomodulin and Protein C. Thrombin maintains vascular integrity during development and postnatal life and coordinates connective tissue proteins by stimulating fibroblast procollagen production.

Product:

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

Molecular Weight:

~ 75 kDa

Swiss-Prot:

P00734

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

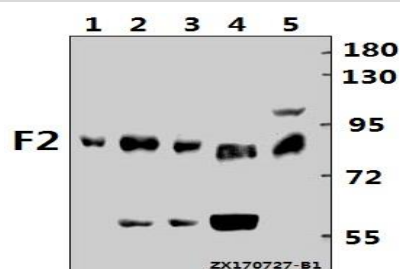
Storage&Stability:

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

Specificity:

Prothrombin polyclonal antibody detects endogenous levels of Prothrombin protein.

DATA:



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

Lane1:K562 whole cell lysate(40ug)

Lane2:A549 whole cell lysate(40ug)

Lane3:L02 whole cell lysate(40ug)

Lane4:The Liver tissue lysate of Rat(40ug)

Lane5:The Liver tissue lysate of Mouse(40ug)

Note:

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

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