Prothrombin Antibody / Thrombin / Coagulation Factor II / F2 (R31170)

Catalog No.	Formulation	Size
R31170	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P18292
Applications	Western blot: 0.5-1ug/ml
Limitations	This Prothrombin antibody is available for research use only.



Western blot testing of Prothrombin antbody and rat testis lysate; Predicted molecular weight: 70 kDa, but may be observed at higher molecular weights due to glycosylation.

Description

F2 (Coagulation Factor II), also known as prothrombin and thrombin, is a serine protease that in humans is encoded by the F2 gene. The activated thrombin enzyme plays an important role in hemostasis and thrombosis: it converts fibrinogen to fibrin for blood clot formation, stimulates platelet aggregation, and activates coagulation factors V, VIII (F8), and XIII (F13A1). Thrombin also inhibits coagulation by Activating protein C.

Application Notes

Titration of the Prothrombin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 600-612 (THVFRLKRWMQKV-rat) were used as the immunogen for this Prothrombin antibody.

Storage

After reconstitution, the Prothrombin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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