

Anti-Prothrombin Antibody
Catalog # ABO11366**Specification**

Anti-Prothrombin Antibody - Product Information

| | |
|-------------------|------------------------|
| Application | WB |
| Primary Accession | P18292 |
| Host | Rabbit |
| Reactivity | Rat |
| Clonality | Polyclonal |
| Format | Lyophilized |

Description

Rabbit IgG polyclonal antibody for Prothrombin(F2) detection. Tested with WB in Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Prothrombin Antibody - Additional Information**Other Names**

Prothrombin, 3.4.21.5, Coagulation factor II, Activation peptide fragment 1, Activation peptide fragment 2, Thrombin light chain, Thrombin heavy chain, F2

Calculated MW

70412 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Rat

Protein Name

Prothrombin

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of rat Prothrombin(600-612aa THVFRLKRW MQKV).

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and

thawing.

Sequence Similarities

Belongs to the peptidase S1 family.

Anti-Prothrombin Antibody - Protein Information

Name F2

Function

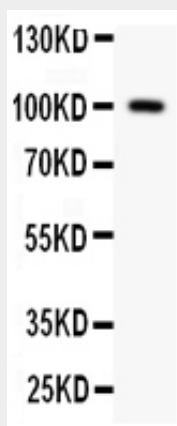
Thrombin, which cleaves bonds after Arg and Lys, converts fibrinogen to fibrin and activates factors V, VII, VIII, XIII, and, in complex with thrombomodulin, protein C. Functions in blood homeostasis, inflammation and wound healing.

Anti-Prothrombin 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 Cytometry](#)
- [Cell Culture](#)

Anti-Prothrombin Antibody - Images



Anti- F2 antibody, ABO11366, Western blottingAll lanes: Anti F2 (ABO11366) at 0.5ug/mlWB : Rat Testis Tissue Lysate at 50ugPredicted bind size: 70KDObserved bind size: 100KD

Anti-Prothrombin Antibody - Background

F2(Coagulation Factor II), also known as thrombin, is a serine protease that in humans is encoded by the F2 gene. Royle et al.(1987) assigned the gene for human prothrombin(F2) to chromosome 11p11-q12 by analysis of a panel of somatic cell hybrid DNAs and by in situ hybridization, using both cDNA and genomic probes. 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.