

For Research Use Only

Coagulation Factor II Polyclonal antibody

Catalog Number: 24295-1-AP

5 Publications



Basic Information

Catalog Number:

24295-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18385

GenBank Accession Number:

BC051332

GeneID (NCBI):

2147

UNIPROT ID:

P00734

Full Name:

coagulation factor II (prothrombin)

Calculated MW:

622 aa, 70 kDa

Observed MW:

72 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

Cited Species:

human, plasmodium falciparum

Positive Controls:

WB : human plasma tissue,

IP : human plasma tissue,

IF/ICC : HUVEC cells,

Background Information

Normal blood coagulation is a complex process, involving a cascade of activation of different plasma proteins, ultimately resulting in the formation of a clot, called fibrin. Coagulation Factor II (F2), also known as prothrombin, is one of the components of this chain of plasma proteins involved in blood coagulation. Prothrombin is the precursor of thrombin, which is essential in the processes of hemostasis and thrombosis.

Notable Publications

Author	Pubmed ID	Journal	Application
Emna Ouni	35341935	Matrix Biol	IF
Takahiro Tougan	29567995	Sci Rep	WB
Takahiro Tougan	32295584	Malar J	WB,IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

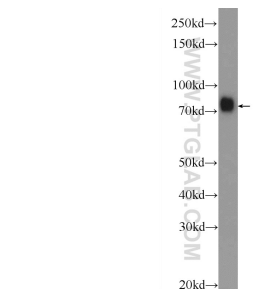
For technical support and original validation data for this product please contact:

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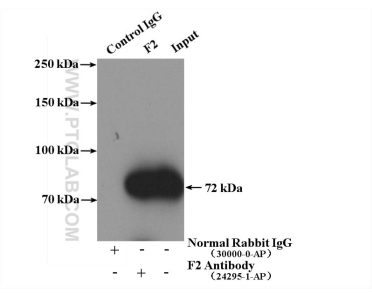
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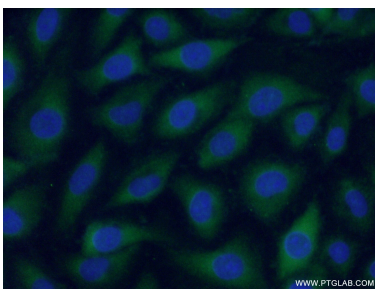
Selected Validation Data



human plasma were subjected to SDS PAGE followed by western blot with 24295-1-AP (Coagulation Factor II Antibody) at dilution of 1:30000 incubated at room temperature for 1.5 hours.



IP result of anti-Coagulation Factor II (IP:24295-1-AP, 4ug; Detection:24295-1-AP 1:10000) with human plasma lysate 4000ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HUVEC cells using 24295-1-AP (Coagulation Factor II antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).