

## F2 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21595a

### Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P00734</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB53142
<b>Calculated MW</b>	70037

### Additional Information

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<b>Gene ID</b>	2147
<b>Other Names</b>	Prothrombin, Coagulation factor II, Activation peptide fragment 1, Activation peptide fragment 2, Thrombin light chain, Thrombin heavy chain, F2
<b>Target/Specificity</b>	This F2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 46-79 amino acids from human F2.
<b>Dilution</b>	WB~~1:2000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	F2 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

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<b>Name</b>	F2
<b>Function</b>	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. Activates coagulation factor XI (F11); activation is promoted by the contact with negatively charged surfaces (PubMed: <a href="#">2019570</a> , PubMed: <a href="#">21976677</a> ). Triggers the production of pro- inflammatory cytokines,

such as MCP-1/CCL2 and IL8/CXCL8, in endothelial cells (PubMed:[30568593](#), PubMed:[9780208](#)).

**Cellular Location** Secreted, extracellular space.

**Tissue Location** Expressed by the liver and secreted in plasma.

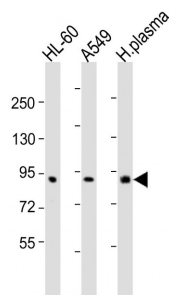
## Background

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.

## References

Degen S.J.F.,et al.Biochemistry 26:6165-6177(1987).  
Wang W.,et al.Haemophilia 10:94-97(2004).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.  
Degen S.J.F.,et al.Biochemistry 22:2087-2097(1983).

## Images



All lanes : Anti-F2 Antibody (N-Term) at 1:2000 dilution  
Lane 1: HL-60 whole cell lysates Lane 2: A549 whole cell lysates Lane 3: human plasma lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 70 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.