

# Prothrombin Antibody

Rabbit mAb

Catalog # AP91382

## Product Information

<b>Application</b>	WB, IP
<b>Primary Accession</b>	<a href="#">P00734</a>
<b>Reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	Coagulation factor II; F2; Factor II; Prepro coagulation factor II; Prothrombin; prothrombin B-chain; PT; RPRGL2; serine protease; THPH1; Thrombin heavy chain;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	70037

## Additional Information

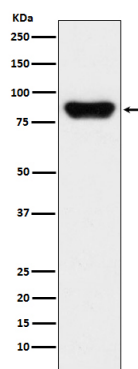
<b>Dilution</b>	WB 1:500~1:2000 IP 1:50
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human Prothrombin
<b>Description</b>	Thrombin, which cleaves bonds after Arg and Lys, converts fibrinogen to fibrin and activates factors V, VII, VIII, XIII, and, in complex with thrombomodulin, protein C. Functions in blood homeostasis, inflammation and wound healing.
<b>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## Protein Information

<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: <a href="#">30568593</a> , PubMed: <a href="#">9780208</a> ).
<b>Cellular Location</b>	Secreted, extracellular space.
<b>Tissue Location</b>	Expressed by the liver and secreted in plasma.

## Images

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Western blot analysis of Prothrombin expression in human serum lysate.

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