

**Anti-Prothrombin F2 Monoclonal Antibody**  
Catalog # ABO14412

**Specification**

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**Anti-Prothrombin F2 Monoclonal Antibody - Product Information**

Application	WB, IP
Primary Accession	<a href="#">P00734</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-Prothrombin F2 Monoclonal Antibody . Tested in WB, IP applications. This antibody reacts with Human.

**Anti-Prothrombin F2 Monoclonal Antibody - Additional Information**

**Gene ID** 2147

**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

**Application Details**

WB 1:500-1:2000<br>IP 1:50

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human Prothrombin

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-Prothrombin F2 Monoclonal 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. Activates coagulation factor XI (F11); activation is promoted by the contact with negatively charged surfaces (PubMed:<a href="http://www.uniprot.org/citations/2019570" target="\_blank">2019570</a>, PubMed:<a href="http://www.uniprot.org/citations/21976677" target="\_blank">21976677</a>). Triggers the production of pro- inflammatory cytokines, such as MCP-1/CCL2 and IL8/CXCL8, in endothelial cells (PubMed:<a href="http://www.uniprot.org/citations/30568593" target="\_blank">30568593</a>, PubMed:<a href="http://www.uniprot.org/citations/9780208" target="\_blank">9780208</a>).

#### Cellular Location

Secreted, extracellular space.

#### Tissue Location

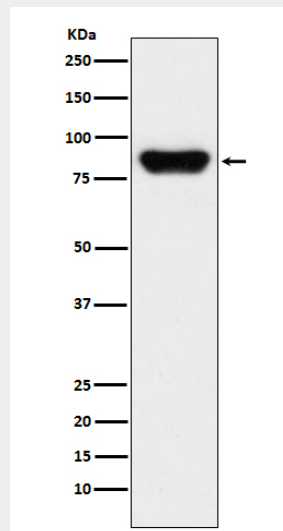
Expressed by the liver and secreted in plasma.

### Anti-Prothrombin F2 Monoclonal 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 F2 Monoclonal Antibody - Images



Western blot analysis of Prothrombin expression in human serum lysate.