

## Datasheet for ABIN2854317 **anti-Prothrombin antibody**



[Go to Product page](#)

### Overview

Quantity:	100 µL
Target:	Prothrombin (F2)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Prothrombin antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (IF)

### Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Thrombin. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to Thrombin (coagulation factor II (thrombin)) Thrombin antibody
Purification:	Purified by antigen-affinity chromatography.

### Target Details

Target:	Prothrombin (F2)
Alternative Name:	coagulation factor II, thrombin ( <a href="#">F2 Products</a> )

## Target Details

Background:	Coagulation factor II is proteolytically cleaved to form thrombin in the first step of the coagulation cascade which ultimately results in the stemming of blood loss. F2 also plays a role in maintaining vascular integrity during development and postnatal life. Mutations in F2 leads to various forms of thrombosis and dysprothrombinemia.  Cellular Localization: Secreted , extracellular space
Molecular Weight:	70 kDa
Gene ID:	2147
UniProt:	<a href="#">P00734</a>
Pathways:	<a href="#">Complement System</a> , <a href="#">Peptide Hormone Metabolism</a> , <a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine ( pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.