

Datasheet for ABIN7427003

**anti-Prothrombin antibody (AA 44-200)**

3 Images

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## Overview

Quantity:	100 µL
Target:	Prothrombin (F2)
Binding Specificity:	AA 44-200
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Prothrombin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

## Product Details

Purpose:	Monoclonal Antibody to Coagulation Factor II (F2)
Immunogen:	Recombinant Coagulation Factor II (F2) corresponding to Ala44~Arg200 (Accession # P18292)
Clone:	4#
Isotype:	IgG2b kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against F2. It has been selected for its ability to recognize F2 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Human
Purification:	Protein A + Protein G affinity chromatography

## Target Details

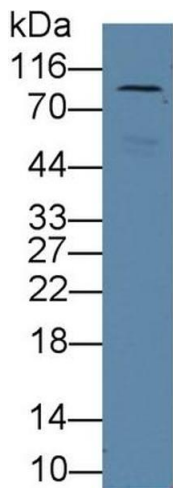
Target:	Prothrombin (F2)
Alternative Name:	Coagulation Factor II ( <a href="#">F2 Products</a> )
Background:	FII, TM, PT, Thrombin, Prothrombin, Pro-Thrombin, Activation peptide fragment 1, Activation peptide fragment 2
Pathways:	<a href="#">Complement System</a> , <a href="#">Peptide Hormone Metabolism</a> , <a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a>

## Application Details

Application Notes:	Western blotting: 0.5-5 µg/mL Immunohistochemistry: 5-30 µg/mL Immunocytochemistry: 5-30 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

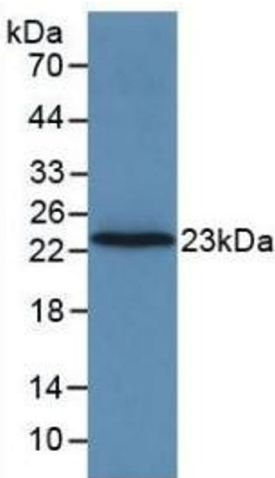
## Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



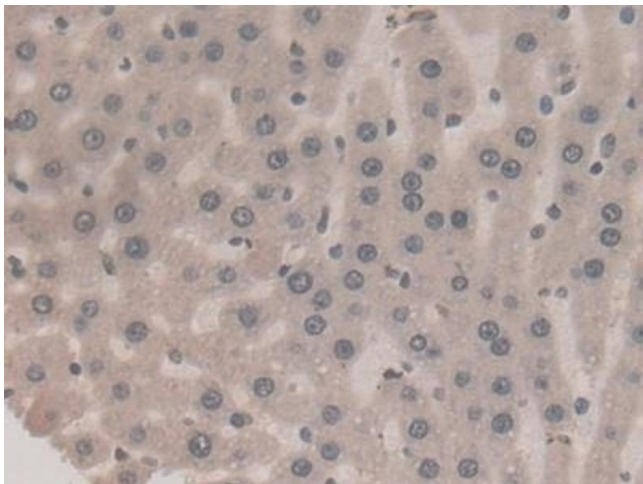
#### Western Blotting

**Image 1.** Detection of F2 in Rat Serum using Monoclonal Antibody to Coagulation Factor II (F2)



#### Western Blotting

**Image 2.** Detection of Recombinant F2, Rat using Monoclonal Antibody to Coagulation Factor II (F2)



#### Immunohistochemistry

**Image 3.** Detection of F2 in Rat Liver Tissue using Monoclonal Antibody to Coagulation Factor II (F2)