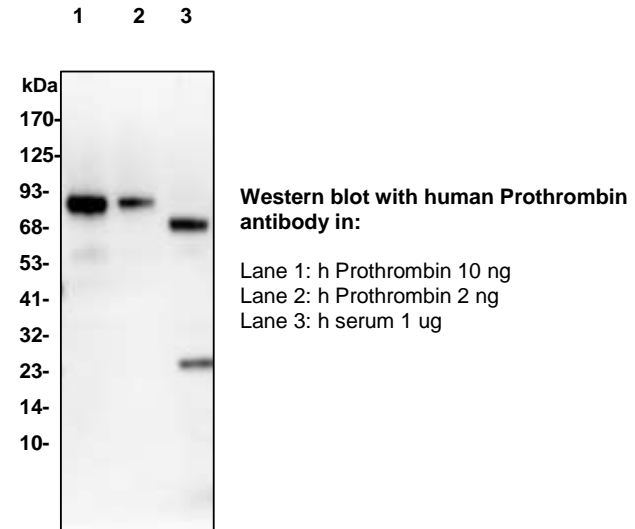


only Prothrombin Antibody

CATALOG NO:	A1114-30T 30 µg (Trial size) A1114-100 100 µg
ALTERNATIVE NAMES:	Coagulation factor II
CONCENTRATION:	0.5 mg/ml
IMMUNOGEN:	Human Prothrombin (Cat. No. 7684-1)
INTERNAL ID:	BV-P104
MOLECULAR WEIGHT:	70 kDa
HOST/ISOTYPE:	Rabbit IgG
SPECIES REACTIVITY:	Human
PURIFICATION:	Affinity purified rabbit IgG
FORM:	Liquid
FORMULATION:	0.5 mg/ml of antibody in PBS pH 7.2, 0.01 % BSA, 0.03 % ProClin® and 50 % glycerol
STORAGE CONDITIONS:	Store at -20°C. Avoid repeated freeze/thaw cycles.
DESCRIPTION:	<p>Prothrombin is a vitamin K-dependent plasma protein which is synthesized in the liver. Prior to secretion into plasma, prothrombin undergoes post-translational modification by a vitamin K-dependent carboxylase which converts ten specific glutamic acid residues to γ-carboxyglutamic acid (gla). Conversion to thrombin is a key step in the blood coagulation pathway and catalyzes the coagulation of fibrinogen. Clinically, cases of selective deficiency are rare, although, in cases of liver cirrhosis, prothrombin is decreased. During activation, prothrombin is cleaved at Arg271-Thr272 and at Arg320-Ser321 to a "pro" fragment (fragment 1.2) and thrombin, the latter of which is composed of two chains covalently linked by a disulfide bond. There is an additional thrombin feed-back cleavage at Arg284-Thr285 resulting in an additional 13 amino acids being removed from the mature thrombin "A" chain.</p>
APPLICATION:	Western blot: 1-4 µg

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



RELATED PRODUCTS:

- Protein C, Human Plasma (**Cat. No. 7682-50**)
- Factor Va, Human Plasma (**Cat. No. 4098-10, 50**)
- Thrombin, Active, Porcine blood (**Cat. No. 7590-1, 10, 100**)
- Thrombin, Active, Bovine Plasma (Technical grade) (**Cat. No. 7591-1, 10, 100**)
- Thrombin, Active, Bovine Plasma (High Activity) (**Cat. No. 7592-1, 10, 100**)
- Thrombin, Active, Human Plasma (**Cat. No. 7590-250, 1000**)
- Prothrombin, Human Plasma (**Cat. No. 7684-1**)

FOR RESEARCH USE ONLY! Not to be used on humans.