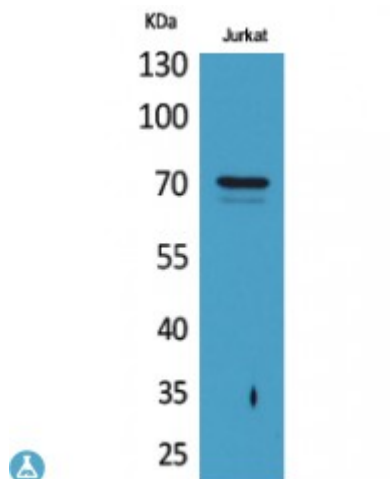


Anti-Prothrombin antibody



Description	Rabbit polyclonal to Prothrombin.
Model	STJ96491
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human Prothrombin.
Immunogen Region	Internal
Gene ID	2147
Gene Symbol	F2
Dilution range	WB 1:500-1:2000IHC-P 1:100-300ELISA 1:20000
Specificity	Prothrombin Polyclonal Antibody detects endogenous levels of Prothrombin protein.
Tissue Specificity	Expressed by the liver and secreted in plasma.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Prothrombin Coagulation factor II Activation peptide fragment 1 Activation peptide fragment 2 Thrombin light chain Thrombin heavy chain
Molecular Weight	70 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:35350MIM:176930
Alternative Names	Prothrombin Coagulation factor II Activation peptide fragment 1 Activation peptide fragment 2 Thrombin light chain Thrombin heavy chain
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.
Cellular Localization	Secreted, extracellular space.
Post-translational Modifications	The gamma-carboxyglutamyl residues, which bind calcium ions, result from the carboxylation of glutamyl residues by a microsomal enzyme, the vitamin K-dependent carboxylase. The modified residues are necessary for the calcium-dependent interaction with a negatively charged phospholipid surface, which is essential for the conversion of prothrombin to thrombin. N-glycosylated. N-glycan heterogeneity at Asn-121: Hex3HexNAc3 (minor), Hex4HexNAc3 (minor) and Hex5HexNAc4 (major). At Asn-143: Hex4HexNAc3 (minor) and Hex5HexNAc4 (major).

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