

## Anti-Fibrinogen beta antibody

---



<b>Description</b>	Rabbit polyclonal to Fibrinogen beta.
<b>Model</b>	STJ93071
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Applications</b>	ELISA, WB
<b>Immunogen</b>	Synthesized peptide derived from human Fibrinogen beta.
<b>Immunogen Region</b>	Internal
<b>Gene ID</b>	<a href="#">2244</a>
<b>Gene Symbol</b>	<a href="#">FGB</a>
<b>Dilution range</b>	WB 1:500-1:2000ELISA 1:40000
<b>Specificity</b>	Fibrinogen beta Polyclonal Antibody detects endogenous levels of Fibrinogen beta protein.
<b>Tissue Specificity</b>	Detected in blood plasma (at protein level).
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	Fibrinogen beta chain Fibrinopeptide B Fibrinogen beta chain
<b>Molecular Weight</b>	55 kDa
<b>Clonality</b>	Polyclonal

<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="https://www.ncbi.nlm.nih.gov/Protein/36620">HGNC:36620MIM:134830</a>
<b>Alternative Names</b>	Fibrinogen beta chain Fibrinopeptide B Fibrinogen beta chain
<b>Function</b>	Cleaved by the protease thrombin to yield monomers which, together with fibrinogen alpha (FGA) and fibrinogen gamma (FGG), polymerize to form an insoluble fibrin matrix. Fibrin has a major function in hemostasis as one of the primary components of blood clots. In addition, functions during the early stages of wound repair to stabilize the lesion and guide cell migration during re-epithelialization. Was originally thought to be essential for platelet aggregation, based on in vitro studies using anticoagulated blood. However subsequent studies have shown that it is not absolutely required for thrombus formation in vivo. Enhances expression of SELP in activated platelets. Maternal fibrinogen is essential for successful pregnancy. Fibrin deposition is also associated with infection, where it protects against IFNG-mediated hemorrhage. May also facilitate the antibacterial immune response via both innate and T-cell mediated pathways.
<b>Sequence and Domain Family</b>	A long coiled coil structure formed by 3 polypeptide chains connects the central nodule to the C-terminal domains (distal nodules). The long C-terminal ends of the alpha chains fold back, contributing a fourth strand to the coiled coil structure.
<b>Cellular Localization</b>	Secreted
<b>Post-translational Modifications</b>	Conversion of fibrinogen to fibrin is triggered by thrombin, which cleaves fibrinopeptides A and B from alpha and beta chains, and thus exposes the N-terminal polymerization sites responsible for the formation of the soft clot. The soft clot is converted into the hard clot by factor XIIIa which catalyzes the epsilon-(gamma-glutamyl)lysine cross-linking between gamma chains (stronger) and between alpha chains (weaker) of different monomers.