

**F13B Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20162a****Specification**

---

**F13B Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P05160</a>
Other Accession	<a href="#">NP_001985.2</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	75511
Antigen Region	151-179

**F13B Antibody (N-term) - Additional Information****Gene ID** 2165**Other Names**

Coagulation factor XIII B chain, Fibrin-stabilizing factor B subunit, Protein-glutamine gamma-glutamyltransferase B chain, Transglutaminase B chain, F13B

**Target/Specificity**

This F13B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 151-179 amino acids from the N-terminal region of human F13B.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

F13B Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**F13B Antibody (N-term) - Protein Information****Name** F13B**Function** The B chain of factor XIII is not catalytically active, but is thought to stabilize the A

subunits and regulate the rate of transglutaminase formation by thrombin.

### Cellular Location

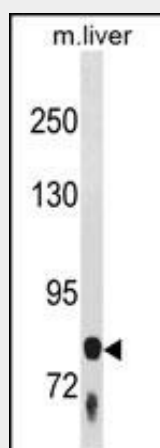
Secreted

### F13B Antibody (N-term) - Protocols

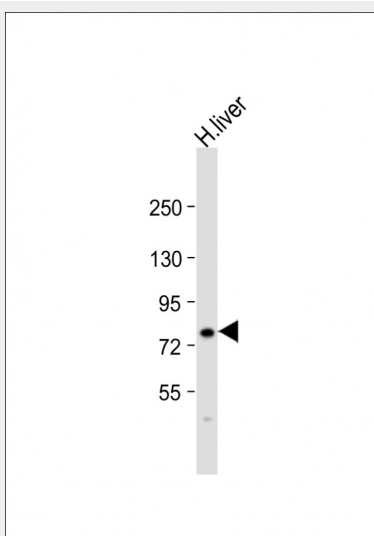
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### F13B Antibody (N-term) - Images



F13B Antibody (N-term) (Cat. #AP20162a) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the F13B antibody detected the F13B protein (arrow).



Anti-F13B Antibody (N-term) at 1:1000 dilution + human liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 76 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

### **F13B Antibody (N-term) - Background**

This gene encodes coagulation factor XIII B subunit. Coagulation factor XIII is the last zymogen to become activated in the blood coagulation cascade. Plasma factor XIII is a heterotetramer composed of 2 A subunits and 2 B subunits. The A subunits have catalytic function, and the B subunits do not have enzymatic activity and may serve as a plasma carrier molecules. Platelet factor XIII is comprised only of 2 A subunits, which are identical to those of plasma origin. Upon activation by the cleavage of the activation peptide by thrombin and in the presence of calcium ion, the plasma factor XIII dissociates its B subunits and yields the same active enzyme, factor XIIIa, as platelet factor XIII. This enzyme acts as a transglutaminase to catalyze the formation of gamma-glutamyl-epsilon-lysine crosslinking between fibrin molecules, thus stabilizing the fibrin clot. Factor XIII deficiency is classified into two categories: type I deficiency, characterized by the lack of both the A and B subunits; and type II deficiency, characterized by the lack of the A subunit alone. These defects can result in a lifelong bleeding tendency, defective wound healing, and habitual abortion.

### **F13B Antibody (N-term) - References**

Silva, L.K., et al. Eur. J. Hum. Genet. 18(11):1221-1227(2010)  
Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) :  
Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)  
Romero, R., et al. Am. J. Obstet. Gynecol. 202 (5), 431 (2010) :  
Davila, S., et al. Genes Immun. 11(3):232-238(2010)