Best Tools for immunology Research

Factor XIII B Polyclonal Antibody

Catalog No :	YT5701
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	Factor XIII B
Fields :	>>Complement and coagulation cascades;>>Coronavirus disease - COVID-19
Gene Name :	F13B
Protein Name :	Coagulation factor XIII B chain
Human Gene Id :	2165
Human Swiss Prot No :	P05160
Mouse Swiss Prot No :	Q07968
Immunogen :	The antiserum was produced against synthesized peptide derived from the Internal region of human F13B. AA range:500-550
Specificity :	Factor XIII B Polyclonal Antibody detects endogenous levels of Factor XIII B protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 65kD

Cell Pathway : Complement and coagulation cascades;

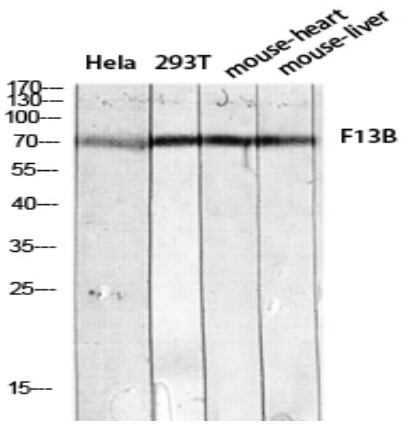
Background : This gene encodes coagulation factor XIII B subunit. Coagulation factor XIII is the last zymogen to become activated in the blood coagulation cascade. Plasma factor XIII is a heterotetramer composed of 2 A subunits and 2 B subunits. The A subunits have catalytic function, and the B subunits 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 classi

Function : disease:Defects in F13B can result in a lifelong bleeding tendency, defective wound healing, and habitual abortion.,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.,online information:Factor XIII entry,online information:The Singapore human mutation and polymorphism database,similarity:Contains 10 Sushi (CCP/SCR) domains.,subunit:Tetramer of two A chains and two B chains.,

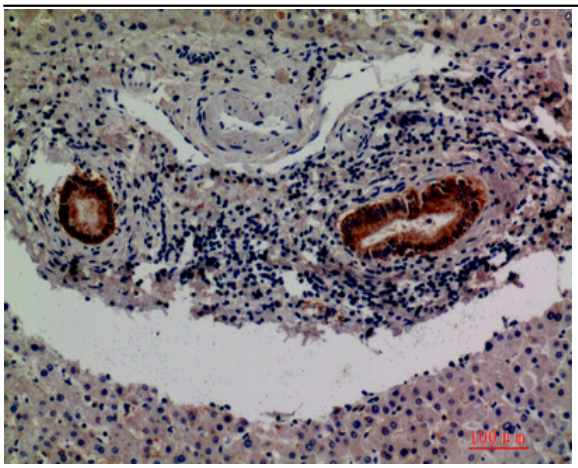
Subcellular Location : Secreted .

Expression : Heart,Liver,Plasma,

Products Images



Western blot analysis of varias lysis using F13B antibody. Antibody was diluted at 1:2000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:200