

Recombinant

DGRmAb®

**Factor XIIIa (DGR11539) Rabbit mAb**

db11958

Package : 10µL 20µL 50µL 100µL

**Product Name** : Factor XIIIa (DGR11539) Rabbit mAb**Cat.No.:** db11958**Synonyms** : F13A**Application** : WB, IHC-P, ICC/IF, FC**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**Background**

This gene encodes the coagulation factor XIII A 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 plasma carrier molecules. Platelet factor XIII is comprised only of 2 A subunits, which are identical to those of plasma origin. Upon 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. It also crosslinks alpha-2-plasmin inhibitor, or fibronectin, to the alpha chains of fibrin. 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. [provided by RefSeq, Jul 2008]

**Immunogen**

Recombinant protein of human Factor XIIIa

**Gene ID**

2162

**Swiss Prot**

P00488

**Synonyms**

F13A

**Reactivity**

Human,Mouse,Rat

**Application**

WB, IHC-P, ICC/IF, FC

**Recommended dilution**

WB: 1:1000-1:5000

IHC-P: 1:100-1:200

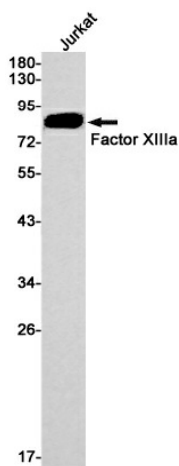
ICC/IF: 1:50-1:100

FC: 1:10-1:100

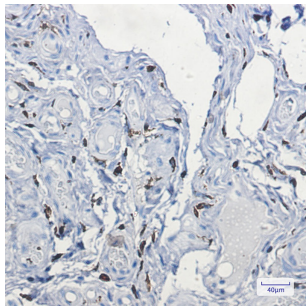
**Calculated MW**

83 kDa

Observed MW	83 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR11539
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot detection of Factor XIIIa in Jurkat cell lysates using Factor XIIIa antibody(1:1000 diluted).



Immunohistochemical analysis of paraffin-embedded human colon cancer using db11958 antibody.