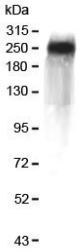
Factor V Antibody (RQ4396)

Catalog No.	Formulation	Size
RQ4396	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P12259
Applications	Western blot: 0.5-1ug/ml
Limitations	This Factor V antibody is available for research use only.



Western blot testing of human plasma with Factor V antibody at 0.5ug/ml. Predicted molecular weight ~252 kDa.

Description

Factor V is a protein of the coagulation system, rarely referred to as proaccelerin or labile factor. The gene for factor V is located on the first chromosome (1q23). This gene encodes an essential cofactor of the blood coagulation cascade. This factor circulates in plasma, and is converted to the active form by the release of the activation peptide by thrombin during coagulation. This generates a heavy chain and a light chain which are held together by calcium ions. The activated protein is a cofactor that participates with activated coagulation factor X to activate prothrombin to thrombin. Defects in this gene result in either an autosomal recessive hemorrhagic diathesis or an autosomal dominant form of thrombophilia, which is known as activated protein C resistance.

Application Notes

Optimal dilution of the Factor V antibody should be determined by the researcher.

Immunogen

Amino acids ESTVMATRKMHDRLEPEDEESDADYDYQNRLAAALGIR from the human protein were used as the immunogen for the Factor V antibody.

Storage

After reconstitution, the Factor V antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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