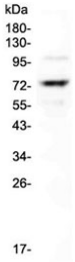
PROS1 Antibody / Vitamin K-dependent protein S (RQ4376)

Catalog No.	Formulation	Size
RQ4376	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	P07225
Localization	Nucleus
Applications	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This PROS1 antibody is available for research use only.



Western blot testing of human HepG2 cell lysate with PROS1 antibody at 0.5ug/ml. Predicted molecular weight ~75 kDa.

Description

This PROS1 gene encodes a vitamin K-dependent plasma protein that functions as a cofactor for the anticoagulant protease, activated protein C (APC) to inhibit blood coagulation. It is found in plasma in both a free, functionally active form and also in an inactive form complexed with C4b-binding protein. Mutations in this gene result in autosomal dominant hereditary thrombophilia. An inactive pseudogene of this locus is located at an adjacent region on chromosome

3. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing to generate mature protein.

Application Notes

Optimal dilution of the PROS1 antibody should be determined by the researcher.

Immunogen

A recombinant human protein corresponding to amino acids L291-S676 was used as the immunogen for the PROS1 antibody.

Storage

After reconstitution, the PROS1 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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