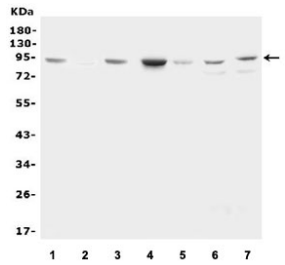
Factor VIII Antibody (R31172)

Catalog No.	Formulation	Size
R31172	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P00451
Applications	Western blot: 0.5-1ug/ml
Limitations	This Factor VIII antibody is available for research use only.



Western blot testing of 1) rat kidney, 2) rat lung, 3) rat heart, 4) mouse kidney, 5) mouse lung, 6) human HeLa and 7) human HepG2 lysate with Factor VIII antibody. Predicted molecular weight ~92 kDa.

Description

Coagulation Factor VIII (FVIII) is an essential blood-clotting protein. By in situ hybridization, Tantravahi et al.(1986) concluded that the F8 gene is located in the proximal part of chromosome Xq28 with probes DX13 and St14 distally located. The F8 gene encodes coagulation Factor VIII, a large plasma glycoprotein that functions in the blood coagulation cascade as a cofactor for the F9a-dependent activation of F10. Factor VIII is activated proteolytically by a variety of coagulation enzymes, including thrombin(F2). It is tightly associated in the blood with VWF, which serves as a protective carrier protein for Factor VIII (Toole et al., 1984; Hoyer, 1994).

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Factor VIII antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human F8 (APVLQDFRSLNDSTN) was used as the immunogen for this Factor VIII antibody.

Storage

After reconstitution, the Factor VIII 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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