

Basic Information

Product Name	Anti-F8 Antibody	
Gene Name	F8	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human	
Tested Application	WB, IHC	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Factor VIII.	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	92 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer, pH6.0, or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

12 months from date of receipt, -20°C as supplied.

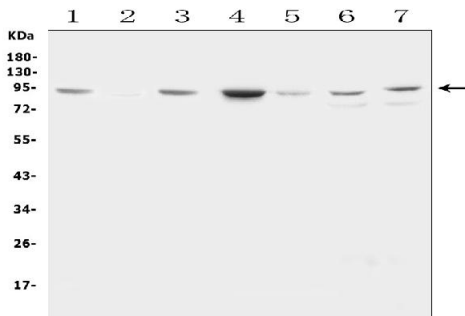
Background Information

Coagulation Factor VIII(FVIII) is an essential blood-clotting protein, also known as anti-hemophilic factor(AHF). 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 factor IXa-dependent activation of factor X(F10). Factor VIII is activated proteolytically by a variety of coagulation enzymes, including thrombin(F2). Factor VIII is tightly associated in the blood with von Willebrand factor(VWF), which serves as a protective carrier protein for factor VIII(Toole et al., 1984; Hoyer, 1994).

Reference

Anti-F8 Antibody被引用在18文献中。

Selected Validation Data



Western blot analysis of F8 using anti-F8 antibody (BA0046). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: rat kidney tissue lysates,

Lane 2: rat lung tissue lysates,

Lane 3: rat heart tissue lysates,

Lane 4: mouse kidney tissue lysates,

Lane 5: mouse lung tissue lysates,

Lane 6: human Hela whole cell lysates,

Lane 7: human HepG2 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-F8 antigen affinity purified polyclonal antibody (BA0046) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for F8 at approximately 92 kDa. The expected band size for F8 is at 267 kDa.