

Anti-Factor VIII Antibody

Catalog # ABO11368

Product Information

Application	WB
Primary Accession	P00451
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Coagulation factor VIII(F8) detection. Tested with WB in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	2157
Other Names	Coagulation factor VIII, Antihemophilic factor, AHF, Procoagulant component, Factor VIIIa heavy chain, 200 kDa isoform, Factor VIIIa heavy chain, 92 kDa isoform, Factor VIII B chain, Factor VIIIa light chain, F8, F8C
Calculated MW	267009
Application Details	Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Secreted, extracellular space.
Source	Eukaryota
Protein Name	Coagulation factor VIII
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Factor VIII(1264-1278aa APVLQDFRSLNDSTN).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the multicopper oxidase family.

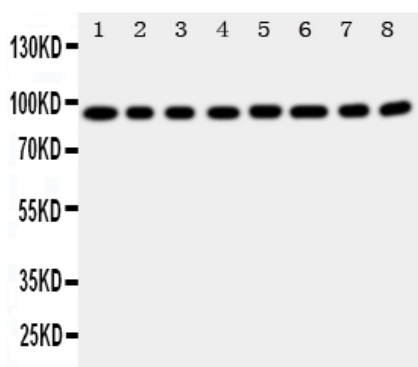
Protein Information

Name	F8
Synonyms	F8C
Function	Factor VIII, along with calcium and phospholipid, acts as a cofactor for F9/factor IXa when it converts F10/factor X to the activated form, factor Xa.
Cellular Location	Secreted, extracellular space.

Background

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).

Images



Anti-Factor VIII antibody, ABO11368, Western blotting
Lane 1: A431 Cell Lysate
Lane 2: HELA Cell Lysate
Lane 3: SMMC Cell Lysate
Lane 4: JURKAT Cell Lysate
Lane 5: RAJI Cell Lysate
Lane 6: CEM Cell Lysate
Lane 7: HL-60 Cell Lysate
Lane 8: MCF-7 Cell Lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.