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Anti-Factor VIII Antibody
Catalog # ABO11368

Specification

Anti-Factor VIII Antibody - 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.

Anti-Factor VIII Antibody - 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 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization
Secreted, extracellular space.

Protein Name
Coagulation factor VIII

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

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 r˚Constitution, 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.

Anti-Factor VIII Antibody - 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.

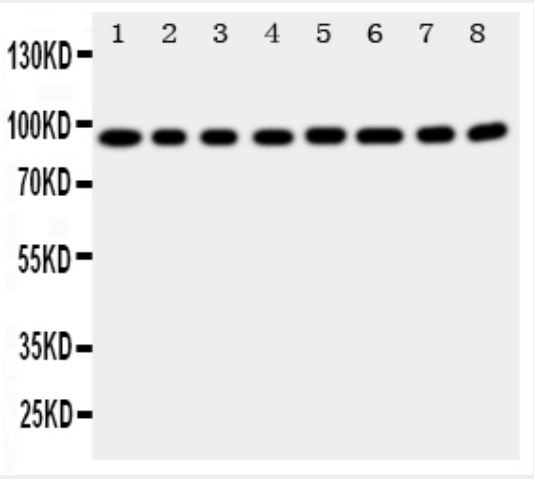
Cellular Location
Secreted, extracellular space.

Anti-Factor VIII Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Factor VIII Antibody - Images



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

Anti-Factor VIII Antibody - 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).