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Anti-Factor VIII/F8 Antibody Picoband®

Catalog Number: PA2061

About F8

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).

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Overview

Product Name	Anti-Factor VIII/F8 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Factor VIII/F8 Antibody catalog # PA2061. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P00451

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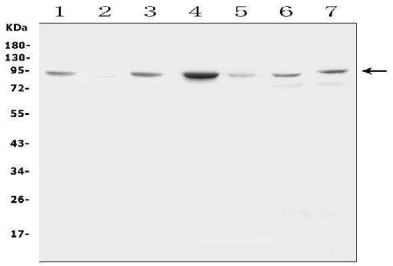
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Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Factor VIII.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat

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Anti-Factor VIII/F8 Antibody Picoband® (PA2061) Images



Western blot analysis of Factor VIII using anti-Factor VIII antibody (PA2061). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug 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 Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Factor VIII antigen affinity purified polyclonal antibody (Catalog # PA2061) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Factor VIII at approximately 92KD. The expected band size for Factor VIII is at 92KD.

17 Publications Citing This Product

1. PubMed ID: 23560091, Pan X, Chen Z, Huang R, Yao Y, Ma G. Plos One. 2013;8(4):E60335. Doi: 10.1371/Journal.Pone.0060335. Epub 2013 Apr 1. Transforming Growth Factor ??1 Induces The Expression Of Collagen Type I By Dna Methylation In Cardiac Fibroblasts.

2. PubMed ID: 21547490, Zhou D, Zhan S, Zhou D, Li Z, Lin X, Tang K, Shu H, Chen G, Zeng S, Cai Y, Jiang X. Cell Mol Neurobiol. 2011 Jul;31(5):687-94. Doi: 10.1007/S10571-011-9665-6. Epub 2011 Mar 9. A Study Of The Distribution And Density Of The Vegfr-2 Receptor On Glio...

3. PubMed ID: 21667819, Jiang H, Deng Xf, Duan Cm, Chen C, Xiang Jl, Lu Yl, Ma Qf. Lymphology. 2011 Mar;44(1):21-8. Somatostatin Receptors Sstr2 And Sstr5 Are Expressed In The Human Thoracic Duct.

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