

Datasheet for ABIN3042924  
**anti-Factor VIII antibody (Middle Region)**

1 Image

15 Publications



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## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µg                                     |
| Target:              | Factor VIII (F8)                           |
| Binding Specificity: | AA 1264-1278, Middle Region                |
| Reactivity:          | Human                                      |
| Host:                | Rabbit                                     |
| Clonality:           | Polyclonal                                 |
| Conjugate:           | This Factor VIII antibody is un-conjugated |
| Application:         | Western Blotting (WB)                      |

## Product Details

|                             |  |
|-----------------------------|--|
| Purpose:                    | Rabbit IgG polyclonal antibody for Coagulation factor VIII(F8) detection. Tested with WB in Human.   |
| Immunogen:                  | A synthetic peptide corresponding to a sequence in the middle region of human Factor VIII(1264-1278aa APVLQDFRSLNDSTN).  |
| Sequence:                   | APVLQDFRSL NDSTN   |
| Isotype:                    | IgG  |
| Cross-Reactivity (Details): | No cross reactivity with other proteins.   |
| Characteristics:            | <p>Rabbit IgG polyclonal antibody for Coagulation factor VIII(F8) detection. Tested with WB in Human.</p> <p>Gene Name: coagulation factor VIII, procoagulant component</p> <p>Protein Name: Coagulation factor VIII</p> |

## Product Details

Purification: Immunogen affinity purified.

## Target Details

Target: Factor VIII (F8)

Alternative Name: F8 ([F8 Products](#))

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).

Synonyms: Ahf antibody|Antihemophilic factor antibody|Coagulation factor VIII antibody|Coagulation factor VIII associated protein b antibody|Coagulation factor VIII isoform b antibody|Coagulation factor VIII procoagulant component antibody|coagulation factor VIII, procoagulant component antibody|Coagulation factor VIIIc antibody|Dna segment on chromosome x unique 1253 expressed sequence antibody|Dxs1253e antibody|F8 antibody|F8 protein antibody|F8b antibody|F8c antibody|FA8\_HUMAN antibody|Factor VIII F8b antibody|Factor VIIIa light chain antibody|FactorVIII antibody|FVIII antibody|Hema antibody|Hema coagulation factor VIIIc procoagulant component antibody|Hemophilia a antibody|Hemophilia classic antibody|Hemophilia, classic antibody|OTTHUMP00000061446 antibody|OTTHUMP00000196174 antibody|Procoagulant component antibody

UniProt: [P00451](#)

## Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human

Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities.

Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05 mg Thimerosal, 0.05 mg Sodium azide.

Preservative: Thimerosal (Merthiolate), Sodium azide

Precaution of Use: This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: 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.

Expiry Date: 12 months

## Publications

Product cited in: Zhang, Shen: "A ferulic acid (FA)-eluting system for biodegradable magnesium stent: Cells response of HUVECs." in: **Journal of biomedical materials research. Part A**, Vol. 103, Issue 8, pp. 2758-69, (2015) ([PubMed](#)).

Li, Cao, Zeng, Liang, Xue, Xi, Zhou, Jiang: "Angiotensin-converting enzyme 2/angiotensin-(1-7)/Mas axis prevents lipopolysaccharide-induced apoptosis of pulmonary microvascular endothelial cells by inhibiting JNK/NF- $\kappa$ B pathways." in: **Scientific reports**, Vol. 5, pp. 8209, (2015) ([PubMed](#)).

Wu, Chen, Guo, He, Hu: "Effects of transforming growth factor- $\beta$ 2 on myocilin expression and secretion in human primary cultured trabecular meshwork cells." in: **International journal of clinical and experimental pathology**, Vol. 7, Issue 8, pp. 4827-36, (2014) ([PubMed](#)).

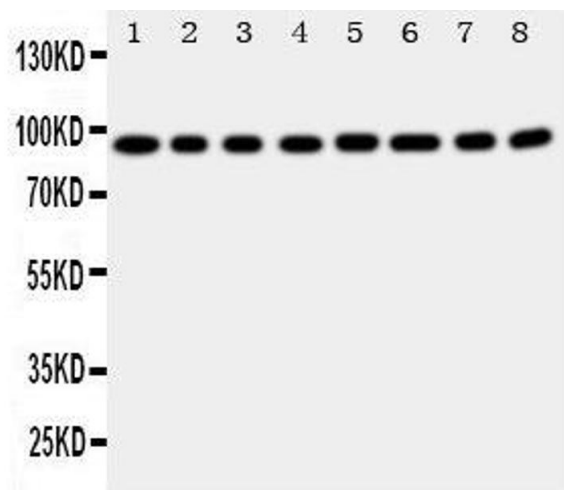
Publications

Wang, Chen, Lin, Jia, Tian, Yang, Zhao, Lai, Jiang, Sun, Zhong, Ran, Lu: "Effects of chronic exposure to cigarette smoke on canonical transient receptor potential expression in rat pulmonary arterial smooth muscle." in: **American journal of physiology. Cell physiology**, Vol. 306, Issue 4, pp. C364-73, (2014) ([PubMed](#)).

Zhang, Shen, Xu, Hu, Chen, Chi, Kong, Li, Li, Guo, Xiong, Zhang: "Cardiomyocyte differentiation induced in cardiac progenitor cells by cardiac fibroblast-conditioned medium." in: **Experimental biology and medicine (Maywood, N.J.)**, Vol. 239, Issue 5, pp. 628-37, (2014) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)

Images



**Western Blotting**

Image 1.