Anti-Factor VIII Antibody

**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).

**Overview**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Anti-Factor VIII Antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactive Species</td>
<td>Human</td>
</tr>
<tr>
<td>Description</td>
<td>Rabbit IgG polyclonal antibody for Coagulation factor VIII (F8) detection. Tested with WB in Human.</td>
</tr>
<tr>
<td>Conjugate</td>
<td>No</td>
</tr>
<tr>
<td>Application</td>
<td>WB</td>
</tr>
<tr>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Formulation</td>
<td>Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.</td>
</tr>
<tr>
<td>Storage Instructions</td>
<td>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.</td>
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<tr>
<td>Host</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Uniprot ID</td>
<td>P00451</td>
</tr>
</tbody>
</table>

**Technical Details**

<table>
<thead>
<tr>
<th>Immunogen</th>
<th>A synthetic peptide corresponding to a sequence in the middle region of human Factor VIII (1264-1278aa APVLQDFRSLNDSTN).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommended Detection Systems</td>
<td>Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.</td>
</tr>
</tbody>
</table>
### Cross Reactivity
No cross reactivity with other proteins

### Isotype
N/A

### Form
Lyophilized

### Concentration
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

### Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

### Purification
Immunogen affinity purified.

### Suggested Dilutions
Western blot, 0.1-0.5μg/ml, Human

For protocols please visit https://www.bosterbio.com/protocol-and-troubleshooting/

### Anti-Factor VIII Antibody (PA2061) Images

Anti-Factor VIII antibody, PA2061, Western blotting
Lane 1: A431 Cell Lysate
Lane 2: HE LA 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

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