

## Product datasheet

# Anti-Factor Xa antibody (Biotin) ab118579

### Overview

|                            |  |
|----------------------------|--|
| <b>Product name</b>        | Anti-Factor Xa antibody (Biotin)           |
| <b>Description</b>         | Rabbit polyclonal to Factor Xa (Biotin)    |
| <b>Host species</b>        | Rabbit                                     |
| <b>Conjugation</b>         | Biotin                                     |
| <b>Tested applications</b> | <b>Suitable for:</b> WB, ELISA, RIA        |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human                  |
| <b>Immunogen</b>           | Human Factor Xa purified from Human plasma |

### Properties

|                             |   |
|-----------------------------|---|
| <b>Form</b>                 | Liquid  |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| <b>Storage buffer</b>       | pH: 7.50<br>Preservative: 0.02% Sodium azide<br>Constituents: 50% Glycerol, 49% PBS                       |
| <b>Purity</b>               | Protein A purified  |
| <b>Clonality</b>            | Polyclonal  |
| <b>Isotype</b>              | IgG   |

### Applications

Our [Abpromise guarantee](#) covers the use of **ab118579** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes   |
|-------------|-----------|---|
| WB          |           | Use at an assay dependent dilution. Predicted molecular weight: 55 kDa. |
| ELISA       |           | Use at an assay dependent dilution.                                     |
| RIA         |           | Use at an assay dependent dilution.                                     |

## Target

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| <b>Function</b>                         | Factor Xa is a vitamin K-dependent glycoprotein that converts prothrombin to thrombin in the presence of factor Va, calcium and phospholipid during blood clotting.  |
| <b>Tissue specificity</b>               | Plasma; synthesized in the liver.  |
| <b>Sequence similarities</b>            | Belongs to the peptidase S1 family.<br>Contains 2 EGF-like domains.<br>Contains 1 Gla (gamma-carboxy-glutamate) domain.<br>Contains 1 peptidase S1 domain.   |
| <b>Post-translational modifications</b> | The vitamin K-dependent, enzymatic carboxylation of some glutamate residues allows the modified protein to bind calcium.<br>N- and O-glycosylated.<br>The activation peptide is cleaved by factor IXa (in the intrinsic pathway), or by factor VIIa (in the extrinsic pathway).<br>The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains. |
| <b>Cellular localization</b>            | Secreted.  |

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