

## 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 Preservative: 0.02% Sodium azide 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. Contains 2 EGF-like domains. Contains 1 Gla (gamma-carboxy-glutamate) domain. 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. N- and O-glycosylated. The activation peptide is cleaved by factor IXa (in the intrinsic pathway), or by factor VIIa (in the extrinsic pathway). 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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