




## Product datasheet

# Anti-Factor Xa Heavy Chain antibody ab180701

1 Image

### Overview

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<b>Product name</b>	Anti-Factor Xa Heavy Chain antibody
<b>Description</b>	Rabbit polyclonal to Factor Xa Heavy Chain
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Rat 
<b>Immunogen</b>	Recombinant fragment corresponding to Human Factor Xa Heavy Chain aa 235-488. Sequence:  MGGQECKDGECPWQALLINEENEGFCGGTILSEFYLTAA HCLYQAKRF KVRVGDRNTEQEEGGEAVHEVEVVIKHNRFKETYDFDIA VLRLKTPITF RMNVAPACLPERDWAESTLMTQKTGMVSGFGRTHEKGRQ STRLKMLEVPY VDRNSCKLSSSFIITQNMFCAGYDTKQEDACQGDSGGPH VTRFKDITYFVT GMSWGEGCARKGKYGIYTKVTAFLKWIDRSMKTRGLPKA KSHAPEVITS SPLK  Database link: <a href="#">P00742</a> <div style="float: right; margin-top: 10px;">  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a> </div>
<b>Positive control</b>	HepG2 cell extract.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 49% PBS, 50% Glycerol
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

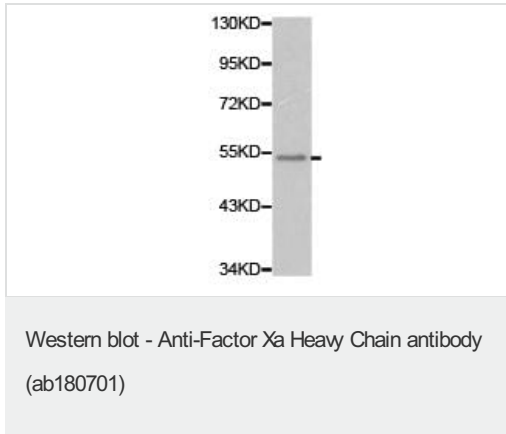
**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab180701 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/2000. Predicted molecular weight: 55 kDa.

## Target

<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>Involvement in disease</b>	Defects in F10 are the cause of factor X deficiency (FA10D) [MIM:227600]. A hemorrhagic disease with variable presentation. Affected individuals can manifest prolonged nasal and mucosal hemorrhage, menorrhagia, hematuria, and occasionally hemarthrosis. Some patients do not have clinical bleeding diathesis.
<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.

## Images



Anti-Factor Xa Heavy Chain antibody (ab180701) at 1/500 dilution  
+ HepG2 cell extract

**Predicted band size:** 55 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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