

Product datasheet

Anti-HC-II antibody ab196758

1 Image

Overview

Product name	Anti-HC-II antibody
Description	Rabbit polyclonal to HC-II
Host species	Rabbit
Specificity	The antibody detects endogenous levels of total Heparin Cofactor II protein.
Tested applications	Suitable for: WB Unsuitable for: ICC/IF or IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human HC-II (internal sequence). Database link: P05546
Positive control	WB: K562 whole cell lysates
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), 49% PBS, 0.87% Sodium chloride PBS without Mg ²⁺ and Ca ²⁺ .
Purity	Immunogen affinity purified
Purification notes	ab196758 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Clonality Polyclonal
Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab196758 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 - 1/3000. Predicted molecular weight: 57 kDa.

Application notes Is unsuitable for ICC/IF or IHC-P.

Target

Function Thrombin inhibitor activated by the glycosaminoglycans, heparin or dermatan sulfate. In the presence of the latter, HC-II becomes the predominant thrombin inhibitor in place of antithrombin III (AT-III). Also inhibits chymotrypsin, but in a glycosaminoglycan-independent manner. Peptides at the N-terminal of HC-II have chemotactic activity for both monocytes and neutrophils.

Tissue specificity Expressed predominantly in liver. Also present in plasma.

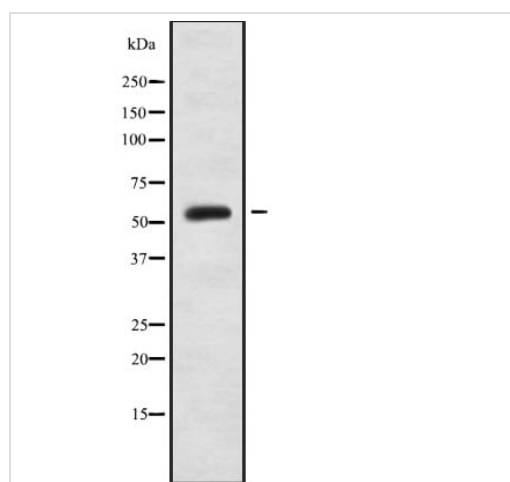
Involvement in disease Thrombophilia due to heparin cofactor 2 deficiency

Sequence similarities Belongs to the serpin family.

Domain The N-terminal acidic repeat region mediates, in part, the glycosaminoglycan-accelerated thrombin inhibition.

Post-translational modifications Phosphorylation sites are present in the extracellular medium.

Images



Western blot - Anti-HC-II antibody (ab196758)

Anti-HC-II antibody (ab196758) at 1/500 dilution + K562 whole cell lysates

Predicted band size: 57 kDa

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