

Product datasheet

Anti-Factor XIIIa antibody ab4057

★★★★☆ 2 Abreviews 2 Images

Overview

Product name	Anti-Factor XIIIa antibody
Description	Rabbit polyclonal to Factor XIIIa
Host species	Rabbit
Tested applications	Suitable for: IHC-P, IHC-Fr
Species reactivity	Reacts with: Human
Immunogen	Recombinant protein corresponding to subunit-A of coagulation Factor XIIIa.
Positive control	Placenta.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide Constituent: 1% BSA
Purity	IgG fraction
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab4057** in the following tested applications.

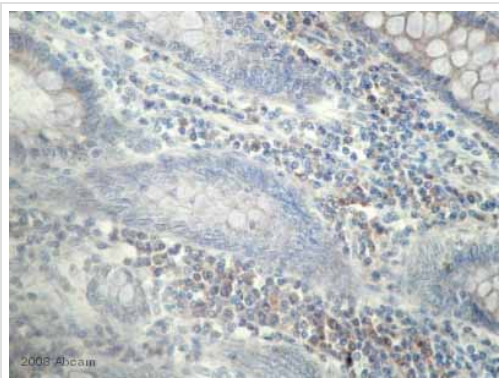
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★☆	1/25 - 1/50. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. Incubate for 30 mins at room temperature (ABC method).
IHC-Fr	★★★★☆	Use at an assay dependent concentration.

Target

Function	Factor XIII is activated by thrombin and calcium ion to a transglutaminase that catalyzes the formation of gamma-glutamyl-epsilon-lysine cross-links between fibrin chains, thus stabilizing the fibrin clot. Also cross-link alpha-2-plasmin inhibitor, or fibronectin, to the alpha chains of fibrin.
Involvement in disease	Defects in F13A1 are the cause of factor XIII subunit A deficiency (FA13AD) [MIM:613225]. FA13AD is an autosomal recessive disorder characterized by a life-long bleeding tendency, impaired wound healing and spontaneous abortion in affected women.
Sequence similarities	Belongs to the transglutaminase superfamily. Transglutaminase family.
Post-translational modifications	The activation peptide is released by thrombin.
Cellular localization	Cytoplasm. Secreted. Secreted into the blood plasma. Cytoplasmic in most tissues, but also secreted in the blood plasma.

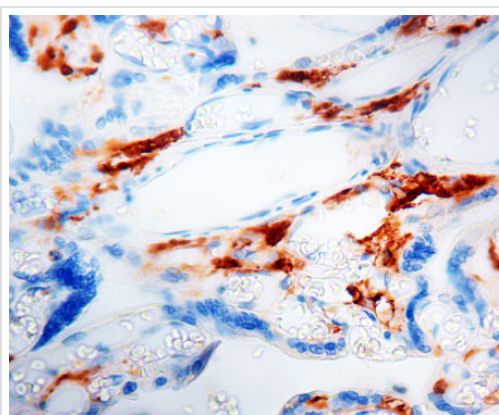
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Factor XIIIa antibody (ab4057)

This image is courtesy of an anonymous Abreview

ab4057 staining formalin fixed paraffin-embedded human bowel tumour tissue sections. The sample was subjected to heat mediated antigen retrieval in citrate buffer (pH 6.0) and blocked with 10% serum for 1 hour at 24°C, prior to incubation with the primary antibody (diluted 1/100 in milk) for 12 hours at 4°C. A biotinylated goat anti-rabbit antibody was used as the secondary.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Factor XIIIa antibody (ab4057)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human placenta tissue, staining Factor XIIIa with ab4057.

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