

## Factor XIIIa (ABT170) IHC kit

CatalogNo: IHCM6873

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human, Mouse, Rat,

#### Applications

- IHC

#### Isotype

- IgG1, Kappa

### Recommended Dilution Ratios

### Storage

**Storage\*** 2°C to 8°C/1 year

### Basic Information

**Clonality** Monoclonal

**Clone Number** ABT170

### Immunogen Information

**Immunogen** Synthesized peptide derived from human Factor XIIIa AA range: 400-500

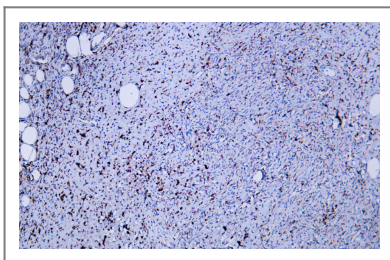
**Specificity** The antibody can specifically recognize human Factor XIIIa protein.

### Target Information

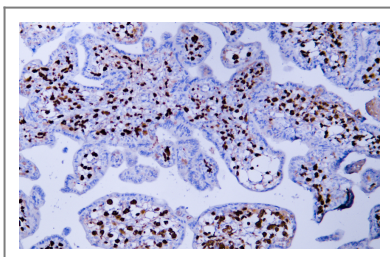
**Gene name** F13A1 F13A

<b>Protein Name</b>	Factor XIIIa						
	<table border="1"> <thead> <tr> <th>Organism</th> <th>Gene ID</th> <th>UniProt ID</th> </tr> </thead> <tbody> <tr> <td>Human</td> <td><a href="#">2162;</a></td> <td><a href="#">P00488;</a></td> </tr> </tbody> </table>	Organism	Gene ID	UniProt ID	Human	<a href="#">2162;</a>	<a href="#">P00488;</a>
Organism	Gene ID	UniProt ID					
Human	<a href="#">2162;</a>	<a href="#">P00488;</a>					
<b>Cellular Localization</b>	Cytoplasmic						
<b>Tissue specificity</b>	Cytoplasmic						
<b>Function</b>	<p>Catalytic activity:Protein glutamine + alkylamine = protein N(5)-alkylglutamine + NH(3).,cofactor:Binds 1 calcium ion per subunit.,Disease:Defects in F13A1 are the cause of F13A deficiency [MIM:134570]. F13A deficiency is an autosomal recessive disorder characterized by a life-long bleeding tendency, impaired wound healing and spontaneous abortion in affected women. In addition to the common presentation such as subcutaneous and intramuscular haematomas, severe bleeding such as intracranial hemorrhages may occur.,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.,online information:Factor XIII entry,online information:The Singapore human mutation and polymorphism database,polymorphism:There are four main allelic forms of this protein; F13A*1A, F13A*1B, F13A*2A and F13A*2B. In addition two other intermediate forms (F13A*(2)A and F13A*(2)B) seem to exist. The sequence shown is that of F13A*(2)B.,PTM:The activation peptide is released by thrombin.,similarity:Belongs to the transglutaminase superfamily. Transglutaminase family.,subcellular location:Secreted into the blood plasma. Cytoplasmic in most tissues, but also secreted in the blood plasma.,subunit:Tetramer of two A chains and two B chains.,</p>						

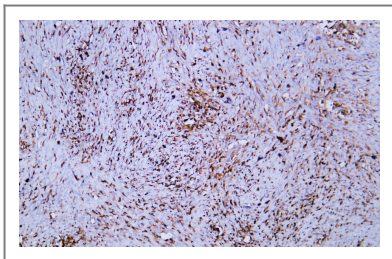
## Validation Data



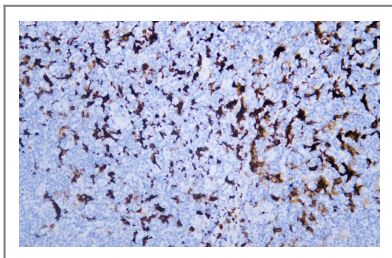
Human dermatofibrosarcoma protuberans tissue was stained with Anti-Factor XIIIa (ABT170) Antibody



Human placenta tissue was stained with Anti-Factor XIIIa (ABT170) Antibody



Human schwannoma tissue was stained with Anti-Factor XIIIa (ABT170) Antibody



Human tonsil tissue was stained with Anti-Factor XIIIa (ABT170) Antibody

## | Contact information

Orders: [order@immunoway.com](mailto:order@immunoway.com)  
Support: [tech@immunoway.com](mailto:tech@immunoway.com)  
Telephone: 408-747-0189 (USA) 400-8787-807(China)  
Website: <http://www.immunoway.com>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:  
**Factor XIIIa (ABT170) IHC kit**

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)