

## Anti-F13A1 antibody

<b>Cat. No.</b>	ml221318
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-F13A1 rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Fusion protein of human F13A1
<b>Reactivity</b>	Human, Mouse
<b>Content</b>	0.2 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	F13A1
<b>Full name</b>	Coagulation factor XIII, A1 polypeptide

**Synonyms** F13A

**Swissprot** P00488

### **Target Background**

This gene encodes the coagulation factor XIII A subunit. Coagulation factor XIII is the last zymogen to become activated in the blood coagulation cascade. Plasma factor XIII is a heterotetramer composed of 2 A subunits and 2 B subunits. The A subunits have catalytic function, and the B subunits do not have enzymatic activity and may serve as plasma carrier molecules. Platelet factor XIII is comprised only of 2 A subunits, which are identical to those of plasma origin. Upon cleavage of the activation peptide by thrombin and in the presence of calcium ion, the plasma factor XIII dissociates its B subunits and yields the same active enzyme, factor XIIIa, as platelet factor XIII. This enzyme acts as a transglutaminase to catalyze the formation of gamma-glutamyl-epsilon-lysine crosslinking between fibrin molecules, thus stabilizing the fibrin clot.

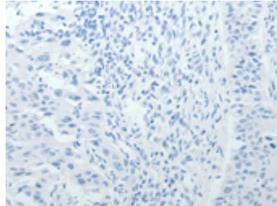
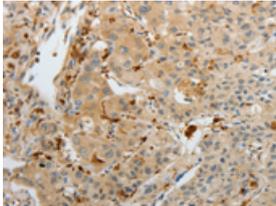
## Applications

### Immunohistochemistry

Predicted cell location: Secreted, Cytoplasm

Positive control: Human cervical cancer

Recommended dilution: 15-50

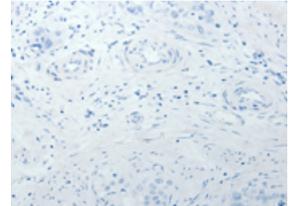
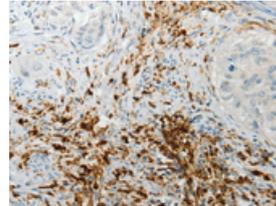


The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using ml221318(F13A1 Antibody) at dilution 1/15, on the right is treated with fusion protein. (Original magnification: ×200)

Predicted cell location: Secreted, Cytoplasm

Positive control: Human lung cancer

Recommended dilution: 15-50



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using ml221318(F13A1 Antibody) at dilution 1/15, on the right is treated with fusion protein. (Original magnification: ×200)

### Western blotting

Predicted band size: 83 kDa

Positive control: Human fetal muscle tissue

Recommended dilution: 200-1000

订购热线: 4008-898-798

Gel: 8%SDS-PAGE

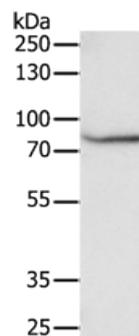
Lysate: 40  $\mu$ g

Lane: Human fetal muscle tissue

Primary antibody: ml221318(F13A1 Antibody) at dilution 1/250

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 30 minutes



#### ELISA

Recommended dilution: 1000-2000

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