



Datasheet for ABIN6242270  
**anti-F13A1 antibody (AA 170-204)**



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Overview

Quantity:	200 µL
Target:	F13A1
Binding Specificity:	AA 170-204
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This F13A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	This F13A1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 170-204 amino acids from the human region of human F13A1.
Clone:	RB57789
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	F13A1
Alternative Name:	F13A1 ( <a href="#">F13A1 Products</a> )
Background:	Factor XIII is activated by thrombin and calcium ion to a transglutaminase that catalyzes the

## Target Details

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.

Molecular Weight: 83267

UniProt: [P00488](#)

## Application Details

Application Notes: IF: 1:25. WB: 1:2000. FC: 1:25

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

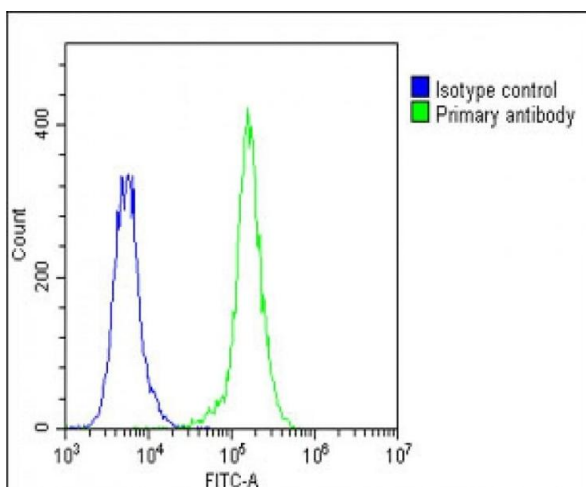
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Expiry Date: 6 months

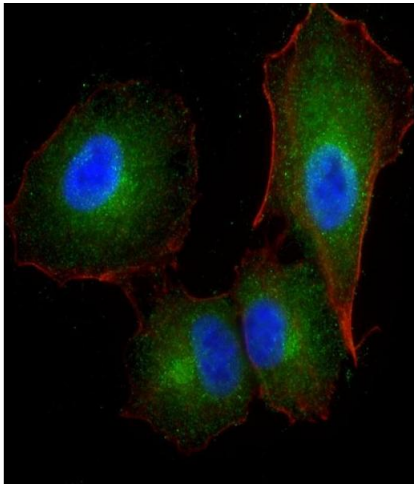
## Images



### Flow Cytometry

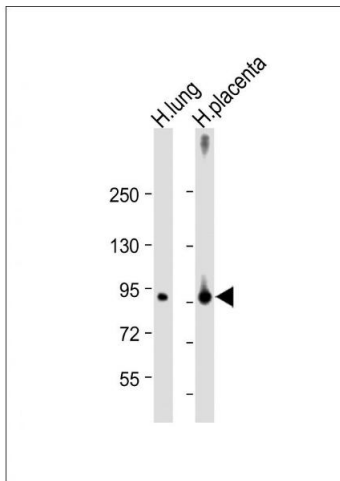
**Image 1.** Overlay histogram showing A549 cells stained with (ABIN6242270 and ABIN6578875)(green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN6242270 and ABIN6578875), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37 °C.

Isotype control antibody (blue line) was rabbit IgG1 (1  $\mu$ g/ $1 \times 10^6$  cells) used under the same conditions. Acquisition of  $>10,000$  events was performed.



### Immunofluorescence

**Image 2.** Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized A549 cells labeling F13A1 with (ABIN6242270 and ABIN6578875) at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-Rabbit IgG (OH191631) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on A549 cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (1186255) at 1/500 dilution (red). The nuclear counter stain is DI (blue).



### Western Blotting

**Image 3.** All lanes : Anti-F13A1 Antibody (N-Term) at 1:2000 dilution Lane 1: Human lung lysate Lane 2: Human placenta lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 83 kDa Blocking/Dilution buffer: 5% NFDm/TBST.