

Rabbit anti-Human F13A1 Polyclonal Antibody | anti-F13A1 antibody

F13A1 Antibody (N-Term)

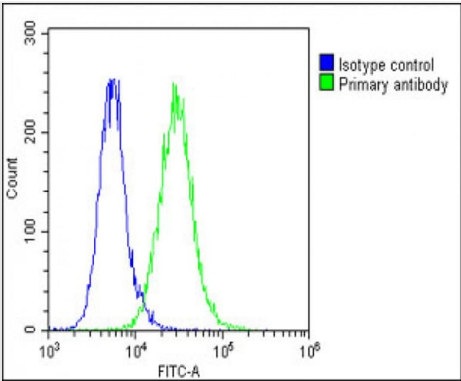
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290972	Rabbit	Human	Immunofluorescence, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

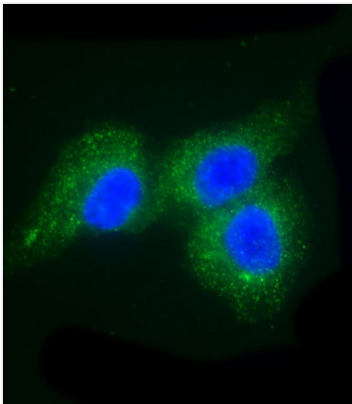
F13A1; Polyclonal Antibody; F13A1 Antibody (N-Term); Purified Rabbit Polyclonal Antibody (Pab); Coagulation factor XIII A chain; Coagulation factor XIIIa; 2.3.2.13; Protein-glutamine gamma-glutamyltransferase A chain; Transglutaminase A chain; F13A; anti-F13A1 antibody

PRODUCT SPECIFICATIONS

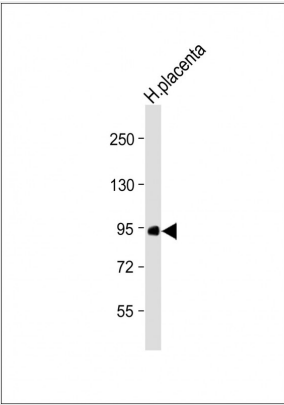
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Clone Number	RB57788
Specificity	This F13A1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 60-94 amino acids from the human region of human F13A1.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Applicable Applications for anti-F13A1 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), WB (Western Blot)
Antigen Source	Human
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Overlay histogram showing A549 cells stained with AP22333a(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 (AP22333a, 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 (1ug/1x10⁶ cells) used under the same conditions. Acquisition of >10, 000 events was performed.



IF (Immunofluorescence)
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0. 1% Triton X-100 permeabilized A549 cells labeling F13A1 with AP22333a 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 DAPI (blue).



WB (Western Blot)
Anti-F13A1 Antibody (N-Term) at 1:2000 dilution + Human placenta lysateLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 83 kDaBlocking/Dilution buffer: 5% NFDm/TBST .

ADDITIONAL INFORMATION

Related Product Information for anti-F13A1 antibody	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.
Product Categories/Family for anti-F13A1 antibody	Primary Antibodies; Cardiovascular
References	Ichinose A.,et al.Biochemistry 25:6900-6906(1986).Grundmann U.,et al.Proc. Natl. Acad. Sci. U.S.A. 83:8024-8028(1986).Ichinose A.,et al.Proc. Natl. Acad. Sci. U.S.A. 85:5829-5833(1988).Totoki Y.,et al.Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.Mungall A.J.,et al.Nature 425:805-811(2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	119395709
NCBI GeneID	2162

NCBI Accession #	NP_000120.2
NCBI GenBank Nucleotide #	NM_000129.3
UniProt Accession #	P00488 ; Q59HA7 ; Q8N6X2 ; Q96P24 ; Q9BX29
Molecular Weight	83,267 Da
NCBI Official Full Name	coagulation factor XIII A chain
NCBI Official Synonym Full Names	coagulation factor XIII, A1 polypeptide
NCBI Official Symbol	F13A1
NCBI Official Synonym Symbols	F13A
NCBI Protein Information	coagulation factor XIII A chain; TGase; factor XIIIa; fibrinoligase; FSF, A subunit; coagulation factor XIIIa; transglutaminase A chain; transglutaminase. plasma; fibrin stabilizing factor, A subunit; coagulation factor XIII, A polypeptide; protein-glutam
UniProt Protein Name	Coagulation factor XIII A chain
UniProt Gene Name	F13A1
UniProt Synonym Gene Names	F13A; Coagulation factor XIIIa
UniProt Entry Name	F13A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/f13a1-antibody-clone-rb57788-immunofluorescence-flow-cytometry-western-blot-elisa/290972>