

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

FGA Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287837	Rabbit	Human	Western Blot, Immunofluorescence, Immunohistochemistry, ELISA

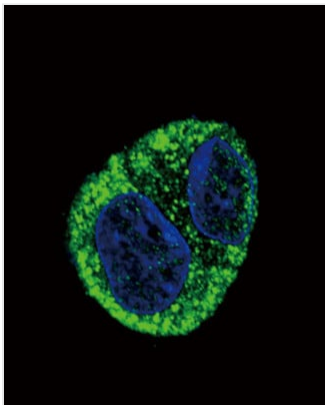
PRODUCT SYNONYMS

FGA; Polyclonal Antibody; FGA Antibody (N-term); Fibrinogen alpha chain; Fibrinopeptide A; anti-FGA antibody

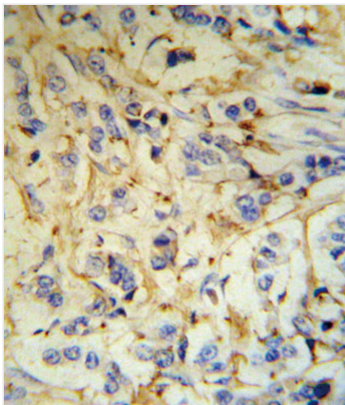
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This FGA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 116-144 amino acids from the N-terminal region of human FGA.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Positions	116-144
Sequence Length	644
Applicable Applications for anti-FGA antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Function	Cleaved by the protease thrombin to yield monomers which, together with fibrinogen beta (FGB) and fibrinogen gamma (FGG), polymerize to form an insoluble fibrin matrix. Fibrin has a major function in hemostasis as one of the primary components of blood clots. In addition, functions during the early stages of wound repair to stabilize the lesion and guide cell migration during re-epithelialization. Was originally thought to be essential for platelet aggregation, based on in vitro studies using anticoagulated blood. However, subsequent studies have shown that it is not absolutely required for thrombus formation in vivo. Enhances expression of SELP in activated platelets via an ITGB3-dependent pathway. Maternal fibrinogen is essential for successful pregnancy. Fibrin deposition is also associated with infection, where it protects against IFNG-mediated hemorrhage. May also facilitate the immune response via both innate and T-cell mediated pathways.
Cellular Location	Secreted
Tissue Location	Detected in blood plasma (at protein level).
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.

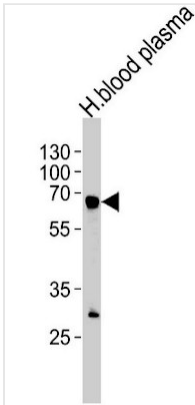
IMAGES



IF (Immunofluorescence)
Confocal immunofluorescent analysis of FGA Antibody (N-term) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)
FGA Antibody (N-term) (RB18707) IHC analysis in formalin fixed and paraffin embedded human breast carcinoma tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the FGA Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
FGA Antibody (N-term) western blot analysis in human blood plasma tissue lysates (35ug/lane). This demonstrates the FGA antibody detected the FGA protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-FGA antibody	FGA is the alpha component of fibrinogen, a blood-borne glycoprotein comprised of three pairs of nonidentical polypeptide chains. Following vascular injury, fibrinogen is cleaved by thrombin to form fibrin which is the most abundant component of blood clots. In addition, various cleavage products of fibrinogen and fibrin regulate cell adhesion and spreading, display vasoconstrictor and chemotactic activities, and are mitogens for several cell types.
Product Categories/Family for anti-FGA antibody	Crown Antibodies; Cardiovascular; Metabolism; Neuroscience
References	Thomas,V.A.,et.al., Biochemistry 37 (8), 2291-2298 (1998)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503689
NCBI GeneID	2243
NCBI Accession #	NP_000499.1; NP_068657.1
NCBI GenBank Nucleotide #	NM_000508.3
UniProt Accession #	P02671; Q4QQH7; Q9BX62; Q9UCH2; A8K3E4; D3DP14; D3DP15
Molecular Weight	94973

NCBI Official Full Name	fibrinogen alpha chain isoform alpha-E preproprotein
NCBI Official Synonym Full Names	fibrinogen alpha chain
NCBI Official Symbol	FGA
NCBI Official Synonym Symbols	Fib2
NCBI Protein Information	fibrinogen alpha chain
UniProt Protein Name	Fibrinogen alpha chain
UniProt Gene Name	FGA
UniProt Entry Name	FIBA_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://www.aaabiotech.com/polyclonal/fga-antibody-western-blot-immunofluorescence-immunohistochemistry-elisa/287837>