

Goat Anti-fibrinogen alpha chain Antibody
Peptide-affinity purified goat antibody
Catalog # AF4129a**Specification**

Goat Anti-fibrinogen alpha chain Antibody - Product Information

Application	WB, E
Primary Accession	P02671
Other Accession	NP_000499.1 , NP_068657.1 , 2243
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	94973

Goat Anti-fibrinogen alpha chain Antibody - Additional Information**Gene ID** 2243**Other Names**

Fibrinogen alpha chain, Fibrinopeptide A, Fibrinogen alpha chain, FGA

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Immunogen

Peptide with sequence C-STSYNRGDSTFES, from the internal region (near C terminus) of the protein sequence according to [NP_000499.1](#); [NP_068657.1](#). Please note the peptide is available for sale.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-fibrinogen alpha chain Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-fibrinogen alpha chain Antibody - Protein Information**Name** FGA

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).

Goat Anti-fibrinogen alpha chain Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-fibrinogen alpha chain Antibody - Images**Goat Anti-fibrinogen alpha chain Antibody - Background**

This antibody is expected to recognize both reported isoforms (NP_000499.1; NP_068657.1).

Goat Anti-fibrinogen alpha chain Antibody - References

Genetic variation in the fibrinogen-alpha and fibrinogen-gamma genes in relation to arterial stiffness: the Rotterdam Study. Sie MP, Isaacs A, de Maat MP, Mattace-Raso FU, Uitterlinden AG, Kardys I, Hofman A, Hoeks AP, Reneman RS, van Duijn CM, Witteman JC. Journal of hypertension 2009 Jul 27 (7): 1392-8. PMID: 19412134