

fibrinogen beta chain (aa177-190) Antibody (internal region)

Peptide-affinity purified goat antibody Catalog # AF4079a

Specification

fibrinogen beta chain (aa177-190) Antibody (internal region) - Product Information

Application WB, E
Primary Accession P02675

Other Accession NP_005132.2, NP_001171670.1, 2244

Reactivity
Predicted
Pig
Host
Clonality
Concentration
Isotype
Human
Pig
Goat
Cont
Goat
Polyclonal
0.5 mg/ml

fibrinogen beta chain (aa177-190) Antibody (internal region) - Additional Information

55928

Gene ID 2244

Calculated MW

Other Names

Fibrinogen beta chain, Fibrinopeptide B, Fibrinogen beta chain, FGB

Dilution

WB~~1:1000 E~~N/A

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

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

fibrinogen beta chain (aa177-190) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

fibrinogen beta chain (aa177-190) Antibody (internal region) - Protein Information

Name FGB

Function

Cleaved by the protease thrombin to yield monomers which, together with fibrinogen alpha (FGA) 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 reepithelialization. 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. 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 antibacterial immune response via both innate and T-cell mediated pathways.

Cellular Location Secreted

Tissue Location

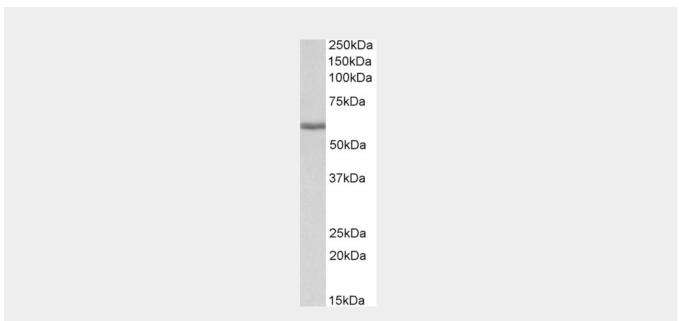
Detected in blood plasma (at protein level).

fibrinogen beta chain (aa177-190) Antibody (internal region) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

fibrinogen beta chain (aa177-190) Antibody (internal region) - Images



AF4079a (0.01 μ g/ml) staining of Human Liver lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

fibrinogen beta chain (aa177-190) Antibody (internal region) - Background

This antibody is expected to recognize both reported isoforms (NP_005132.2; NP_001171670.1).

fibrinogen beta chain (aa177-190) Antibody (internal region) - References





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Fibrinogen beta-chain tyrosine nitration is a prothrombotic risk factor. Parastatidis I, Thomson L, Burke A, Chernysh I, Nagaswami C, Visser J, Stamer S, Liebler DC, Koliakos G, Heijnen HF, Fitzgerald GA, Weisel JW, Ischiropoulos H. The Journal of biological chemistry 2008 Dec 283 (49): 33846-53. PMID: 18818200