

Datasheet for ABIN1694390

**anti-Fibrinogen antibody (AbBy Fluor® 488)**[Go to Product page](#)

## Overview

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                                                  |
| Target:      | Fibrinogen                                                                                              |
| Reactivity:  | Cow                                                                                                     |
| Host:        | Rabbit                                                                                                  |
| Clonality:   | Polyclonal                                                                                              |
| Conjugate:   | This Fibrinogen antibody is conjugated to AbBy Fluor® 488                                               |
| Application: | Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)) |

## Product Details

|                       |                               |
|-----------------------|-------------------------------|
| Immunogen:            | Fibrinogen from bovine plasma |
| Isotype:              | IgG                           |
| Cross-Reactivity:     | Cow                           |
| Predicted Reactivity: | Cow                           |
| Purification:         | Purified by Protein A.        |

## Target Details

|                   |                                                                                    |
|-------------------|------------------------------------------------------------------------------------|
| Target:           | Fibrinogen                                                                         |
| Alternative Name: | Bovine Fibrinogen ( <a href="#">Fibrinogen Products</a> )                          |
| Background:       | Synonyms: FGA, FGA protein, FGB, FGG, Fib2, Fibrin alpha chain ,Fibrinogen A alpha |

## Target Details

polypeptide, Fibrinogen A alpha polypeptide chain, Fibrinogen alpha chain, Fibrinogen B alpha polypeptide, Fibrinogen beta chain, Fibrinogen G alpha polypeptide, Fibrinogen gamma chain, MGC104327, MGC119422, MGC119423, MGC119425, MGC120405.

Background: Fibrinogen is the main protein of blood coagulation system. It is a large protein and it consists of two identical subunits that contain three polypeptide chains: alpha, beta and gamma. All chains are connected with each other by a number of disulfide bonds.

Fibrinopeptides A (1 to 16 amino acids) and B (1 to 17 amino acids) are released by thrombin from the N terminal parts of alpha and beta chains, respectively. In this way fibrinogen is converted into fibrin, which by means of polymerization forms a fibrin clot. Fibrinogen clotting underlies pathogenesis of MI, thromboembolism and thromboses of arteries and veins, since fibrin is the main substrate for thrombus formation. Fibrinogen activation is also involved in pathogenesis of inflammation, tumor growth and many other diseases. The normal fibrinogen concentration in plasma is about 3 mg/mL. The elevated level of fibrinogen in patient's blood is regarded as an independent risk factor for cardiovascular diseases. An increase in blood fibrinogen concentration was shown to be a strong predictor of coronary heart disease (Sonel A. et al, and Rapold H.J. et al). All these facts make fibrinogen an important parameter in the diagnosis of cardiovascular diseases.

Gene ID: 522039

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Handling

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|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
| Storage:         | -20 °C                                                                            |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date:     | 12 months                                                                         |