

Datasheet for ABIN1607652
anti-Fibrinogen antibody (Biotin)

3 Images

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Overview

Quantity:	100 µg
Target:	Fibrinogen
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Fibrinogen antibody is conjugated to Biotin
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Fibrinogen [Human Plasma] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Fibrinogen from other sources is unknown.
Purity:	Anti-Fibrinogen antibody is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Goat Serum as well as purified and partially purified Fibrinogen [Human Plasma].
Endotoxin Level:	Low Endotoxin : No

Target Details

Target:	Fibrinogen
Abstract:	Fibrinogen Products
Background:	Anti-Fibrinogen antibody has a dual function: yielding monomers that polymerize into fibrin and as a main protein of the blood coagulation system, it also functions as a cofactor in platelet aggregation. Fibrinogen clotting underlies pathogenesis of thromboembolism, MI, and thrombus formation. Fibrinogen activation is a major factor in the mechanism which causes inflammation, tumor growth and various additional diseases. These characteristics make Anti-Fibrinogen ideal for investigators interested in the fields of Cardiovascular or Metabolism research. Synonyms: FGA antibody, FGA protein antibody, FGB antibody, FGG antibody, Fib2 antibody, Fibrinogen A alpha polypeptide antibody, Fibrinogen A alpha polypeptide chain antibody, Fibrinogen alpha chain antibody
Gene ID:	2243
UniProt:	P02671

Application Details

Application Notes:	<p>Anti-Fibrinogen antibody has been assayed against 1.0 µg of Fibrinogen in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:50.000 to 1:250.000 of the reconstitution concentration is suggested for this product.</p> <p>ELISA Dilution: 1:20.000 - 1:100.000</p> <p>Fluorochrome Protein Value: 10-20</p> <p>Immunohistochemistry Dilution: 1:1.000 - 1:5.000</p> <p>Western Blot Dilution: 1:2.000 - 1:10.000</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	10 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Handling Advice:	Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

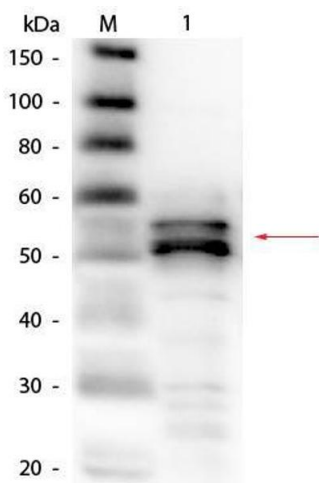
Handling

Storage: -20 °C

Storage Comment: Store vial at -20 °C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below.

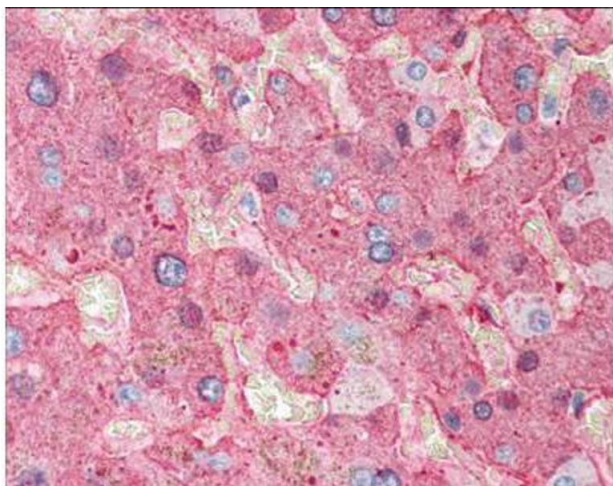
Expiry Date: Expiration date is one (1) year from date of opening.

Images



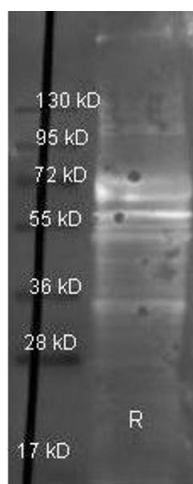
Western Blotting

Image 1. Western Blot of Goat anti-Fibrinogen Antibody (Human Plasma) Biotin Conjugated. Lane 1: Fibrinogen (Human Plasma). Load: 50 ng per lane. Primary antibody: Goat anti-Fibrinogen Antibody (Human Plasma) Biotin Conjugated at 1:1,000 overnight at 4°C. Secondary antibody: HRP streptavidin secondary antibody at 1:40,000 for 30 min at RT. Block: ABIN925618 for 30 minutes at RT. Predicted/Observed size: 56 kDa, 56 kDa for Fibrinogen β -chain.



Immunohistochemistry

Image 2. Immunohistochemistry of Goat Anti-Fibrinogen antibody. Tissue: human liver tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Fibrinogen antibody at 1:500 for 1 h at RT. Secondary antibody: Peroxidase goat secondary antibody at 1:10,000 for 45 min at RT. Localization: Fibrinogen is localized in plasma. Staining: Fibrinogen as precipitated red signal with hematoxylin purple nuclear counterstain.



Western Blotting

Image 3. Western Blot of Goat anti-Fibrinogen antibody. Lane 1: Fibrinogen under reducing conditions. Lane 2: none. Load: 1 μ g per lane. Primary antibody: Fibrinogen antibody at 1:3000 for overnight at 4°C. Secondary antibody: Dylight 488 conjugated Donkey anti goat secondary antibody at 1:10,000 for 45 min at RT. Block: TBS/ABIN925618 1 hr RT.