

Datasheet for ABIN458743
anti-Fibrinogen antibody

1 Publication

[Go to Product page](#)

Overview

Quantity:	10 mg
Target:	Fibrinogen
Reactivity:	Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Fibrinogen antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Fibrinogen (clotting factor I) is a heat labile beta glycoprotein present in plasma. It is the precursor of fibrin, which is the key protein constituting the network of the blood clot. Thrombin converts fibrinogen to fibrin by limited proteolysis. Fibrin monomers polymerize to fibrin which is stabilized by cross-linking. Fibrinogen is isolated from fresh plasma after removing prothrombin. Freund's complete adjuvant is used in the first step of the immunization procedure.
Isotype:	IgG
Specificity:	The antiserum does not cross-react with any other component of rat plasma. Inter-species cross-reactivity is a normal feature of antibodies to plasma proteins since they frequently share antigenic determinants. of this antiserum has not been tested in detail.
Characteristics:	Purified IgG fraction of polyclonal goat antiserum to rat fibrinogen

Product Details

Purification:	Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies cross-reacting with other with other plasma proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum. Hyperimmune antisera with strong precipitating activity are selected for fractionation by salt-precipitation and purification of the IgG fraction by DEAE-chromatography.
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Target Details

Target:	Fibrinogen
Abstract:	Fibrinogen Products
Background:	The reactivity of the antiserum is restricted to fibrinogen. In immunoelectrophoresis and radial immunodiffusion (Ouchterlony), using various antiserum concentrations against normal rat plasma a single precipitin line is obtained which shows a reaction of identity with the precipitin line obtained with purified fibrinogen. No reaction is obtained with any other plasma protein component or serum. However, the antiserum may also react with fibrin monomers, circulating fibrinopeptides and fibrin degradation products

Application Details

Application Notes:	As unlabelled primary or secondary antibody reagent for the indirect detection of fibrinogen in rat cells, tissues and body fluids in immunofluorescence and immunoenzyme methods, for the production of immunoconjugates with a selected marker, to prepare insoluble immunoaffinity adsorbents by coupling to an artificial carrier, as catching or detection reagent in non-isotopic methodology and solid phase immunochemistry (e.g. ELISA, Western blotting). When applied in any cytochemical or histochemical procedure or solids phase coupling technique, the optimum concentration of the IgG preparation should always be established by titration. Typical working dilutions in histochemistry are usually between 1:50 and 1:250, in ELISA and comparable non-precipitating antibody-binding assays between 1:500 and 1:5,000.
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Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Concentration:	Physicochemical characteristic IgG protein concentration 10 mg/ml. No foreign proteins added.
Buffer:	Purified hyperimmune IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2)

Handling

Preservative: Without preservative

Storage: 4 °C

Publications

Product cited in: Chen, Schmidt, Schürger, Hankir, Krug, Rittner: "Netrin-1 as a Multitarget Barrier Stabilizer in the Peripheral Nerve after Injury." in: **International journal of molecular sciences**, Vol. 22, Issue 18, (2021) ([PubMed](#)).