

FGA Antibody

CATALOG NO.: 30-033

SPECIES REACTIVITY: H

ACCESSION NUMBER: NP_068657

BACKGROUND:

FGA is the alpha component of fibrinogen, a blood-borne glycoprotein comprised of three pairs of nonidentical polypeptide chains. Following vascular injury, fibrinogen is cleaved by thrombin to form fibrin which is the most abundant component of blood clots. In addition, various cleavage products of fibrinogen and fibrin regulate cell adhesion and spreading, display vasoconstrictor and chemotactic activities, and are mitogens for several cell types. Mutations in its gene lead to several disorders, including dysfibrinogenemia, hypofibrinogenemia, afibrinogenemia and renal amyloidosis. The protein encoded by this gene is the alpha component of fibrinogen, a blood-borne glycoprotein comprised of three pairs of nonidentical polypeptide chains. Following vascular injury, fibrinogen is cleaved by thrombin to form fibrin which is the most abundant component of blood clots. In addition, various cleavage products of fibrinogen and fibrin regulate cell adhesion and spreading, display vasoconstrictor and chemotactic activities, and are mitogens for several cell types. Mutations in this gene lead to several disorders, including dysfibrinogenemia, hypofibrinogenemia, afibrinogenemia and renal amyloidosis. Alternative splicing results in two isoforms which vary in the carboxy-terminus.

SOURCE:

Polyclonal antibody produced in rabbits immunized with a synthetic peptide corresponding to a region of Human FGA.

PURIFICATION:

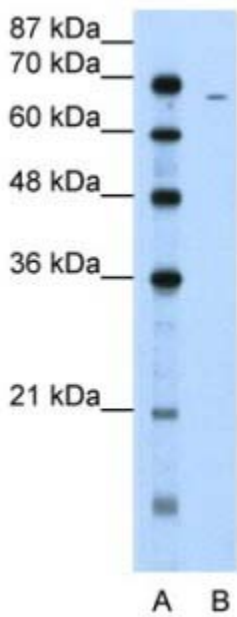
Rabbit IgG purified by protein A chromatography.

APPLICATION:

FGA antibody can be used for Western blot at a suggested dilution at 5.0µg/ml in 5% skim milk / PBS buffer, and HRP conjugated anti-Rabbit IgG should be diluted in 1: 50,000 - 100,000 as secondary antibody. Optimal dilutions/concentrations should be determined by the end user. The information provided is a guideline for product use. This antibody is for research use only.

STORAGE:

Antibody is lyophilized from PBS buffer with 2% sucrose. Add 50 µl of distilled water. Final antibody concentration is 2 mg/ml. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.



Western blot analysis of FGA expression in jurkat cell lysate using FGA antibody 5.0µg/ml. Lane A is a marker, and the lysate is in lane B. Immunocytochemistry of human skin tissue using FGA antibody at 4.0 - 8.0µg/ml.