

Basic Information

Product Name	Anti-Fibrinogen Alpha Chain/FGA Antibody
Gene Name	FGA
Source	Rabbit
Isotype	IgG
Species Reactivity	human, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS , 0.02% NaN3 , 1 mg BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human FGA (687-727aa RTWQDYKRGFGSLNDEGEGEFWLGNDYLHLLTQRGSVLRVE), different from the related mouse and rat sequences by two amino acids.
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	95KD
Dilution Ratios	Western blot(WB):1:500-2000

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

Fibrinogen alpha chain is a protein that in humans is encoded by the FGA gene. This gene encodes the alpha subunit of the coagulation factor fibrinogen, which is a component of the blood clot. Following vascular injury, the encoded preproprotein is proteolytically processed by thrombin during the conversion of fibrinogen to fibrin. Mutations in this gene lead to several disorders, including dysfibrinogenemia, hypofibrinogenemia, afibrinogenemia and renal amyloidosis. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that undergoes proteolytic processing.

Selected Validation Data

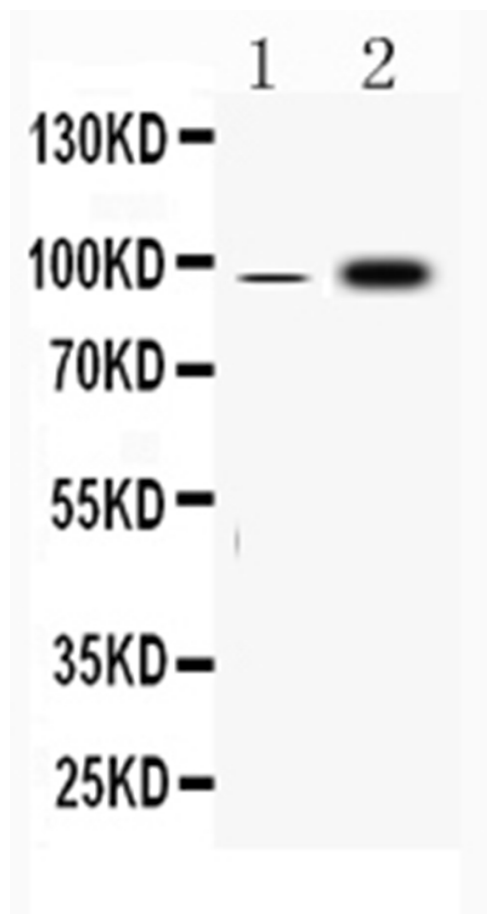


Figure 1. Western blot analysis of FGA using anti-FGA antibody (A00816-1). Lane 1: rat skeletal muscle tissue lysates, Lane 2: HEPG2 whole cell lysates. anti-FGA antigen affinity purified polyclonal antibody (Catalog # A00816-1) probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for FGA at approximately 95KD. The expected band size for FGA is at 95KD.