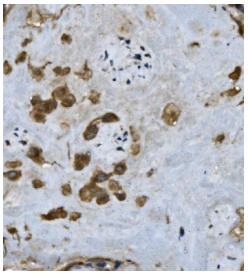
FGA Antibody / Fibrinogen alpha chain (RQ6053)

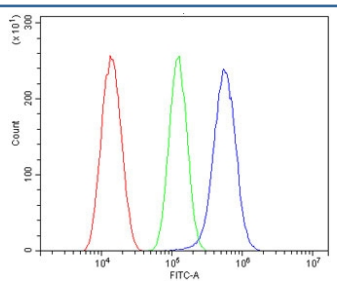
Catalog No.	Formulation	Size
RQ6053	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

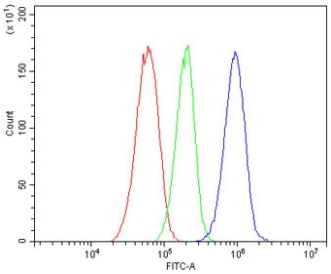
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P02671
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry : 1-2ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This FGA antibody is available for research use only.



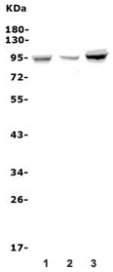
IHC staining of FFPE human placenta with FGA antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Flow cytometry testing of human SiHa cells with FGA antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= FGA antibody.



Flow cytometry testing of human HepG2 cells with FGA antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= FGA antibody.



Western blot testing of human 1) T-47D, 2) Caco-2 and 3) SW620 lysate with FGA antibody. Predicted molecular weight ~70 kDa (alpha isoform), ~95 kDa (alpha-E isoform).

Description

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.

Application Notes

Optimal dilution of the FGA antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids E139-Q784) was used as the immunogen for the FGA antibody.

Storage

After reconstitution, the FGA antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com