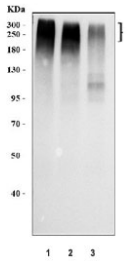
Fibronectin Antibody / FN1 (RQ5531)

Catalog No.	Formulation	Size
RQ5531	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

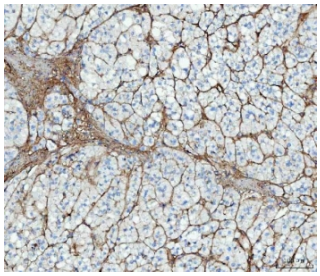
Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P02751
Localization	Connective tissue matrix
Applications	Western Blot : 0.25-0.5ug/ml Flow Cytometry : 1-3ug/million cells Immunohistochemistry (FFPE) : 2-5ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This Fibronectin antibody is available for research use only.

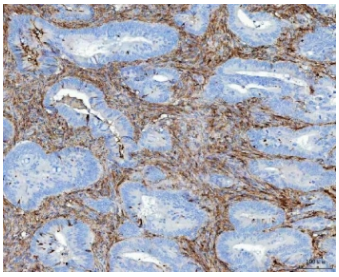
Western blot testing of human U-87 MG cell lysate with Fibronectin antibody. Predicted molecular weight ~220 kDa (monomer) but may be observed at a higher molecular weight due to glycosylation.



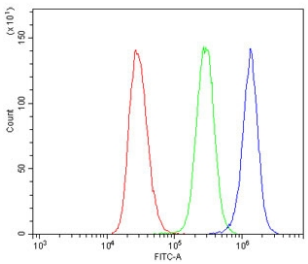
Western blot testing of human 1) plasma, 2) HCCT and 3) HCCP cell lysate with Fibronectin antibody. Predicted molecular weight ~220 kDa (monomer) but may be observed at a higher molecular weight due to glycosylation.



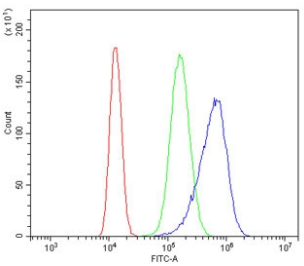
IHC staining of FFPE human adrenocortical adenoma tissue with Fibronectin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



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



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



Flow cytometry testing of human Caco-2 cells with Fibronectin antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Fibronectin antibody.

Description

Fibronectin is a high-molecular weight glycoprotein of the extracellular matrix that binds to membrane-spanning receptor proteins called integrins. It is mapped to 2q35. This gene encodes fibronectin, a glycoprotein present in a soluble dimeric form in plasma, and in a dimeric or multimeric form at the cell surface and in extracellular matrix. The encoded preproprotein is proteolytically processed to generate the mature protein. Fibronectin is involved in cell adhesion and migration processes including embryogenesis, wound healing, blood coagulation, host defense, and metastasis. The gene has three regions subject to alternative splicing, with the potential to produce 20 different transcript variants, at least one of which encodes an isoform that undergoes proteolytic processing. The full-length nature of some variants has not been determined.

Application Notes

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

Immunogen

A human recombinant protein (amino acids T1877-E2386) was used as the immunogen for the Fibronectin antibody.

Storage

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