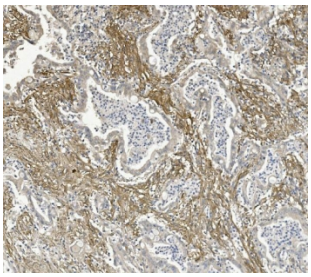
ITGB5 Antibody / Integrin beta 5 (RQ5891)

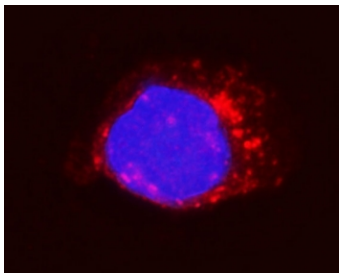
Catalog No.	Formulation	Size
RQ5891	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

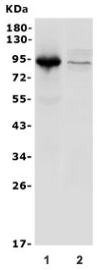
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P18084
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry: 1-2ug/ml Immunofluorescence: 2-4ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This ITGB5 antibody is available for research use only.



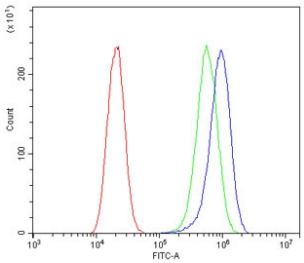
IHC staining of FFPE human rectal cancer with ITGB5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



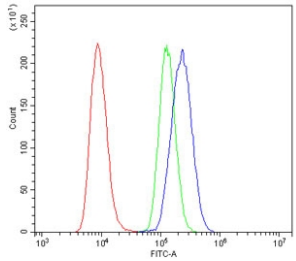
Immunofluorescent staining of FFPE human A431 cells with ITGB5 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human A549 and 2) mouse ANA-1 lysate with ITGB5 antibody. Expected molecular weight: 88-110 kDa depending on glycosylation level.



Flow cytometry testing of human A549 cells with ITGB5 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ITGB5 antibody.



Flow cytometry testing of human Raji cells with ITGB5 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ITGB5 antibody.

Description

This gene encodes a beta subunit of integrin, which can combine with different alpha chains to form a variety of integrin heterodimers. Integrins are integral cell-surface receptors that participate in cell adhesion as well as cell-surface mediated signaling. The alphav beta5 integrin is involved in adhesion to vitronectin.

Application Notes

Optimal dilution of the ITGB5 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids S32-D689) was used as the immunogen for the ITGB5 antibody.

Storage

After reconstitution, the ITGB5 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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