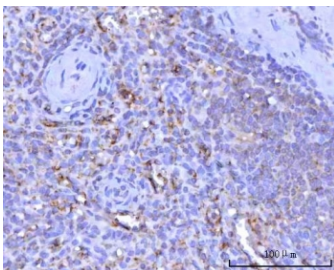


ITGA2B Antibody / Integrin alpha 2b (RQ7859)

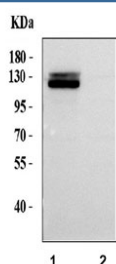
Catalog No.	Formulation	Size
RQ7859	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

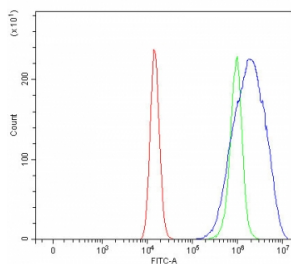
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P08514
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This ITGA2B antibody is available for research use only.



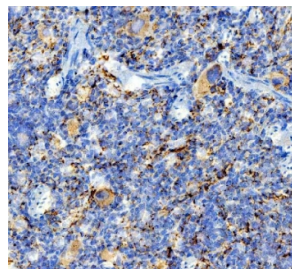
IHC staining of FFPE human spleen tissue with ITGA2B antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) HEL and 2) HeLa cell lysate with ITGA2B antibody. Predicted molecular weight ~113 kDa but may be observed at higher molecular weights due to glycosylation.



Flow cytometry testing of human HEL cells with ITGA2B antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ITGA2B antibody.



IHC staining of FFPE rat spleen tissue with ITGA2B antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

Description

Integrin alpha-IIb is a protein that in humans is encoded by the ITGA2B gene. It is mapped to 17q21.32. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. Alpha chain 2b undergoes post-translational cleavage to yield disulfide-linked light and heavy chains that join with beta 3 to form a fibrinogen receptor expressed in platelets that plays a crucial role in coagulation. Mutations that interfere with this role result in thrombasthenia. In addition to adhesion, integrins are known to participate in cell-surface mediated signalling.

Application Notes

Optimal dilution of the ITGA2B antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids A675-R714) was used as the immunogen for the ITGA2B antibody.

Storage

After reconstitution, the ITGA2B antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.