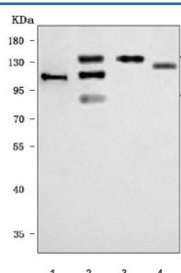


## Integrin beta 1 Antibody / ITGB1 / CD29 (RQ8070)

Catalog No.	Formulation	Size
RQ8070	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	P05556
<b>Applications</b>	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This Integrin beta 1 antibody is available for research use only.



Western blot testing of 1) human HT-1080, 2) human HeLa, 3) human A431 and 4) rat C6 cell lysate with Integrin beta 1 antibody. Expected molecular weight: 88~150 kDa depending on the level of glycosylation.

## Description

Integrin beta-1, also known as CD29, is a protein that in humans is encoded by the ITGB1 gene. CD29 is an integrin unit associated with very late antigen receptors. It is known to conjoin with alpha-3 subunit to create alpha3beta1 complex that reacts to such molecules as netrin-1 and reelin. This gene contains a beta subunit that appears to be analogous to band-3 of integrin. It is mapped to 10p11.22. It is found that FER mediates crosstalk between CDH2 and CD29. Integrin family members are membrane receptors involved in cell adhesion and recognition in a variety of processes including embryogenesis, hemostasis, tissue repair, immune response and metastatic diffusion of tumor cells. The protein encoded

by this gene is a beta subunit.

## Application Notes

Optimal dilution of the Integrin beta 1 antibody should be determined by the researcher.

## Immunogen

E. coli-derived recombinant human protein (amino acids G572-E693) was used as the immunogen for the Integrin beta 1 antibody.

## Storage

After reconstitution, the Integrin beta 1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.