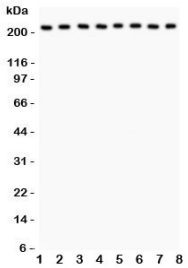
Integrin alpha 5 Antibody (R31667)

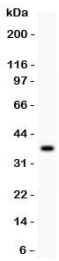
Catalog No.	Formulation	Size
R31667	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
Gene ID	3678
Applications	Western blot: 0.5-1ug/ml
Limitations	This Integrin alpha 5 antibody is available for research use only.



Western blot testing of Integrin alpha 5 antibody and Lane 1: rat brain; 2: mouse brain; 3: human MM231; 4: (h) HeLa; 5: (h) Jurkat; 6: (h) 293T; 7: (m) Neuro-2a; 8: (r) PC12 lysate; Expected molecular weight: 115-160 kDa, observed here at ~220 kDa.



Western blot testing of Integrin alpha 5 antibody and recombinant human protein (0.5ng)

Description

Integrin alpha-5, also known as FNRA or VLA5A, is a protein that in humans is encoded by the ITGA5 gene. The product of this gene belongs to the integrin alpha chain family. Integrins are integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes the integrin alpha 5 chain. Alpha chain 5 undergoes post-translational cleavage in the extracellular domain to yield disulfide-linked light and heavy chains that join with beta 1 to form a fibronectin receptor. In addition to adhesion, integrins are known to participate in cell-surface mediated signalling.

Application Notes

Titration of the Integrin alpha 5 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 787-992) was used as the immunogen for this Integrin alpha 5 antibody. Human Integrin alpha 5 shares 86% amino acid sequence identity with mouse Integrin alpha 5.

Storage

The lyophilized Integrin alpha 5 antibody can be stored at 4oC to -20oC. After reconstitution, aliquot and store at -20oC. Avoid repeated freeze/thaws.

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