

For Research Use Only

Integrin alpha-5/CD49e Recombinant antibody, PBS Only

Catalog Number: 84468-5-PBS

Featured Product



Basic Information

Catalog Number:

84468-5-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC008786

GeneID (NCBI):

3678

UNIPROT ID:

P08648

Full Name:

integrin, alpha 5 (fibronectin receptor, alpha polypeptide)

Calculated MW:

115 kDa

Observed MW:

140 kDa

Purification Method:

Protein A purification

CloneNo.:

241684E8

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

Background Information

Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated alpha and beta subunits. Integrin alpha 5 (ITGA5), belongs to the integrin alpha chain family, primarily binds to Integrin beta 1 (ITGB1) to form an $\alpha 5 \beta 1$ heterodimer (PMID: 33711961). Integrin $\alpha 5 \beta 1$ is a specific receptor of fibronectin through its arginine-glycine-aspartic acid (RGD) binding site (PMID: 19608542). Integrin $\alpha 5 \beta 1$ plays roles in cell adhesion, migration and matrix formation, and has emerged as an essential mediator in many human carcinomas (PMID: 33408483).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

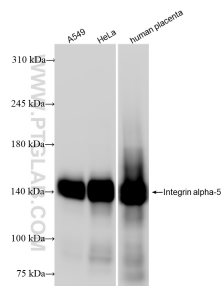
T: 4006900926

E: Proteintech-CN@ptglab.com

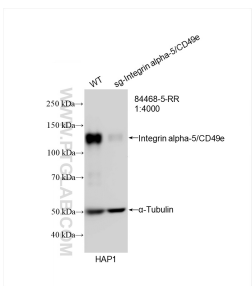
W: ptgcn.com

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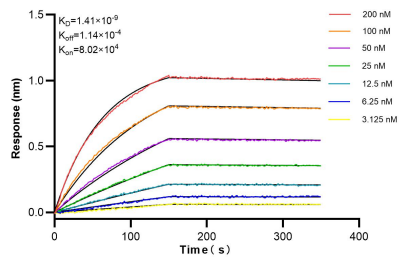
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84468-5-RR (Integrin alpha-5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84468-5-PBS in a different storage buffer formulation.



WB result of Integrin alpha-5/CD49e antibody (84468-5-RR; 1:4000; room temperature for 1.5 hours) with wild-type and sg-Integrin alpha-5/CD49e transfected HAP1 cells. This data was developed using the same antibody clone with 84468-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84468-5-RR against Human Integrin alpha-5 were performed. The affinity constant is 1.41 nM.