

For Research Use Only

Integrin alpha-5 Recombinant antibody

Catalog Number: 84468-5-RR



Basic Information

Catalog Number: 84468-5-RR	GenBank Accession Number: BC008786	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3678	CloneNo.: 241684E8
Source: Rabbit	UNIPROT ID: P08648	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	
	Calculated MW: 115 kDa	
	Observed MW: 140 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A549 cells, HeLa cells, human placenta tissue
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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

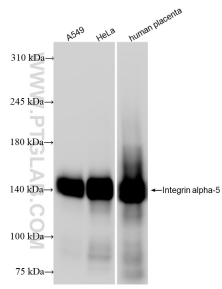
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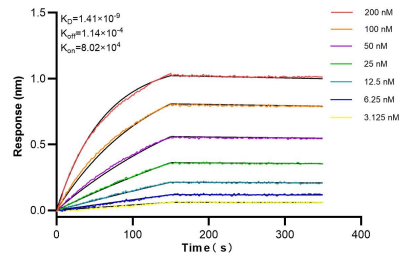
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Selected Validation Data



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.



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