

For Research Use Only

Integrin alpha-5 Monoclonal antibody



Catalog Number: 68561-1-Ig

Basic Information

Catalog Number: 68561-1-Ig	GenBank Accession Number: BC008786	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3678	CloneNo.: 3B9E5
Source: Mouse	Full Name: integrin, alpha 5 (fibronectin receptor, WB alpha polypeptide)	Recommended Dilutions:
Isotype: IgG2a	Calculated MW: 115 kDa	
Immunogen Catalog Number: AG33642	Observed MW: 140 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human, Mouse, Rat, Pig

Positive Controls:

WB: A549 cells, rat colon tissue, K-562 cells, Jurkat cells, pig colon tissue, HeLa cells, mouse colon tissue, mouse small intestine tissue

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

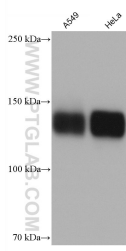
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68561-1-Ig (Integrin alpha-5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.