

For Research Use Only

Integrin alpha-5 Monoclonal antibody, PBS Only



Catalog Number: 68561-1-PBS

Basic Information

Catalog Number: 68561-1-PBS	GenBank Accession Number: BC008786	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3678	CloneNo.: 3B9E5
Source: Mouse	UNIPROT ID: P08648	
Isotype: IgG2a	Full Name: integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	
Immunogen Catalog Number: AG33642	Calculated MW: 115 kDa	
	Observed MW: 140 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human, Mouse, Rat, Pig

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

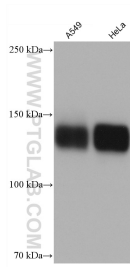
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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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. This data was developed using the same antibody clone with 68561-1-PBS in a different storage buffer formulation.