

For Research Use Only

Integrin Alpha-5 Polyclonal antibody



Catalog Number: 10569-1-AP

Featured Product

25 Publications

Basic Information

Catalog Number: 10569-1-AP	GenBank Accession Number: BC008786	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 3678	Recommended Dilutions: WB 1:1000-1:6000
Source: Rabbit	Full Name: integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	
Isotype: IgG	Calculated MW: 115 kDa	
Immunogen Catalog Number: AG0860	Observed MW: 135-150 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A549 cells, 3T3-L1 cells, COS-7 cells, HeLa cells, human placenta tissue
Cited Applications: IF, IHC, WB	
Species Specificity: human, mouse, monkey	
Cited Species: human, rat, mouse	

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Jun-fu Wang	36193075	Oxid Med Cell Longev	WB,IHC,IF
Chengyun Pan	34733839	Front Cell Dev Biol	WB,IF
Jalal M Kazan	34761192	iScience	WB

Storage

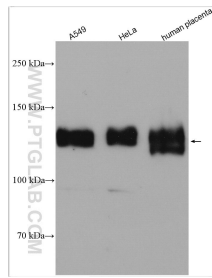
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

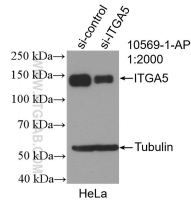
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10569-1-AP (Integrin Alpha-5 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



WB result of Integrin alpha-5 antibody (10569-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Integrin alpha-5 transfected HeLa cells.