

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

Size:

500 μ g/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0860

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:

135-150 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, monkey

Cited Species:

human, rat, mouse

Positive Controls:

WB: A549 cells, 3T3-L1 cells, COS-7 cells, HeLa cells, human placenta 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).

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

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

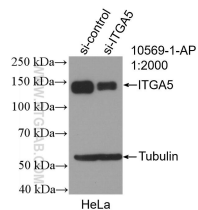
T: 4006900926

E: Proteintech-CN@ptglab.com

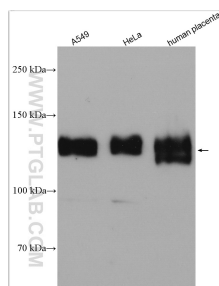
W: ptgcn.com

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

Selected Validation Data



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.



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.