

For Research Use Only

Integrin Alpha 3 Monoclonal antibody, PBS Only



Catalog Number: 66070-1-PBS

Featured Product

Basic Information

Catalog Number:

66070-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG17293

GenBank Accession Number:

BC150190

GeneID (NCBI):

3675

UNIPROT ID:

P26006

Full Name:

integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)

Calculated MW:

1066 aa, 119 kDa

Observed MW:

120 kDa

Purification Method:

Protein A purification

CloneNo.:

3F9G4

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, pig, mouse

Background Information

ITGA3, also named as MSK18, CD49c, GAPB3 and FRP-2, belongs to the integrin alpha chain family. It is a receptor for fibronectin, laminin, collagen, epiligrin, thrombospondin and CSPG4. ITGA3 may mediate with LGALS3 the stimulation by CSPG4 of endothelial cells migration. ITGA3 is highly concentrated in epithelial cells where it strongly adheres to Laminin-5 and Laminin-5 induced rapid adhesion can be blocked by antibodies against the alpha-3 integrin subunit. It can be cleaved into heavy chain(840aa) and light chain(176aa). This antibody can recognize the heavy chain.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

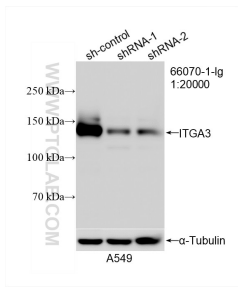
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

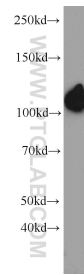
E: proteintech@ptglab.com
W: ptglab.com

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

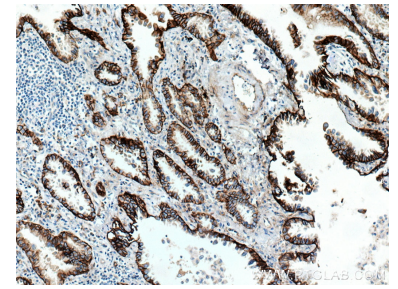
Selected Validation Data



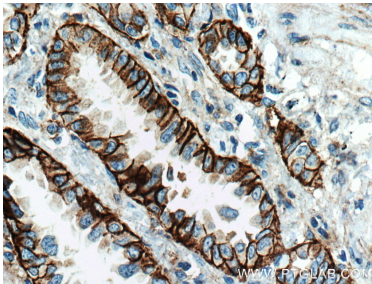
WB result of Integrin Alpha 3 antibody (66070-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Integrin Alpha 3 transfected A549 cells. This data was developed using the same antibody clone with 66070-1-PBS in a different storage buffer formulation.



PC-3 cells were subjected to SDS PAGE followed by western blot with 66070-1-Ig (ITGA3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66070-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66070-1-Ig (Integrin alpha-3 antibody) at dilution of 1:4000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66070-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66070-1-Ig (Integrin alpha-3 antibody) at dilution of 1:4000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66070-1-PBS in a different storage buffer formulation.