

Datasheet for ABIN7267918
anti-ITGA2 antibody



[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	ITGA2
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This ITGA2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Purpose:	Integrin alpha 2 (ITGA2/CD49b) Rabbit mAb
Immunogen:	A synthesized peptide derived from human Integrin alpha 2 (ITGA2/CD49b) (ITGA2/CD49b)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	ITGA2
Alternative Name:	ITGA2 (ITGA2 Products)
Background:	This gene encodes the alpha subunit of a transmembrane receptor for collagens and related

Target Details

proteins. The encoded protein forms a heterodimer with a beta subunit and mediates the adhesion of platelets and other cell types to the extracellular matrix. Loss of the encoded protein is associated with bleeding disorder platelet-type 9. Antibodies against this protein are found in several immune disorders, including neonatal alloimmune thrombocytopenia. This gene is located adjacent to a related alpha subunit gene. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012],BR,CD49B,GPIa,HPA-5,VLA-2,VLAA2,ITGA2,Cancer,CDs,Cell Adhesion,Cell Biology & Developmental Biology,Cytoskeleton,Endocrine & Metabolism,Immunology & Inflammation,MAPK-Erk Signaling Pathway,PI3K-Akt Signaling Pathway,Signal Transduction,ITGA2

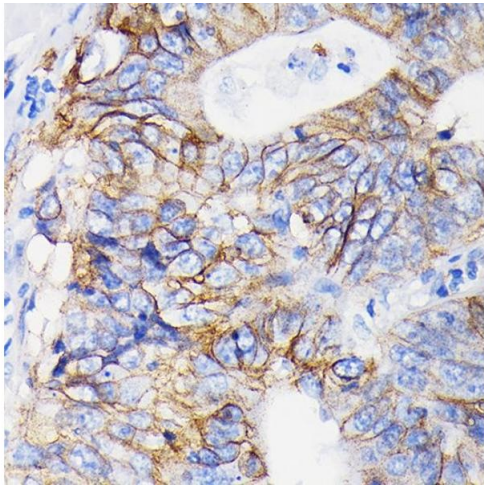
Molecular Weight:	129kDa
Gene ID:	3673
UniProt:	P17301
Pathways:	CXCR4-mediated Signaling Events , Smooth Muscle Cell Migration , Integrin Complex

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IP,1:50 - 1:200
Restrictions:	For Research Use only

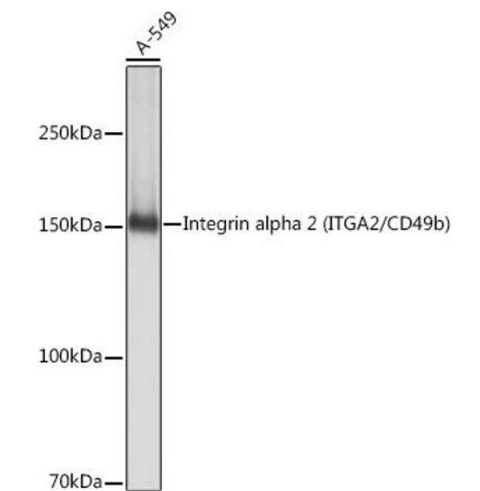
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



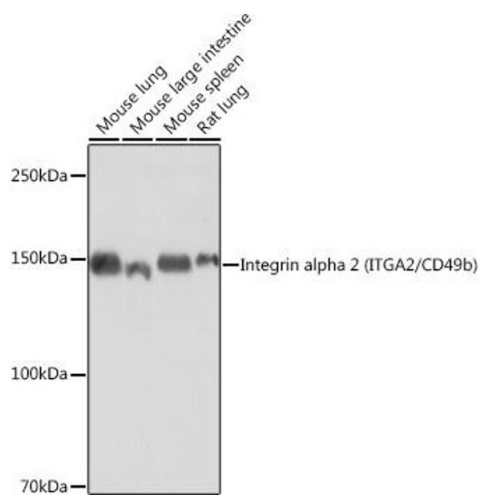
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human colon carcinoma using Integrin alpha 2 (ITG/CD49b) (ITG/CD49b) Rabbit mAb at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of A-549 cells, using Integrin alpha 2 (ITG/CD49b) (ITG/CD49b) antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using Integrin alpha 2 (ITG/CD49b) (ITG/CD49b) antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7267918.