



Datasheet for ABIN685372
anti-ITGAV/ITGB5 antibody



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Overview

Quantity:	100 µL
Target:	ITGAV/ITGB5
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITGAV/ITGB5 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Integrin beta 5 and Integrin alpha V
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat
Purification:	Purified by Protein A.

Target Details

Target:	ITGAV/ITGB5
Alternative Name:	Integrin Alpha V + Beta 5 (ITGAV/ITGB5 Products)

Target Details

Background: Synonyms: CD51, MSK8, VNRA, VTNR, Integrin alpha-V, Vitronectin receptor subunit alpha, ITGAV

Background: The alpha-V integrins are receptors for vitronectin, cytotactin, fibronectin, fibrinogen, laminin, matrix metalloproteinase-2, osteopontin, osteomodulin, prothrombin, thrombospondin and vWF. They recognize the sequence R-G-D in a wide array of ligands. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions.

Gene ID: 3685

UniProt: [P06756](#)

Application Details

Application Notes: ELISA 1:500-1000
FCM 1:20-100
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

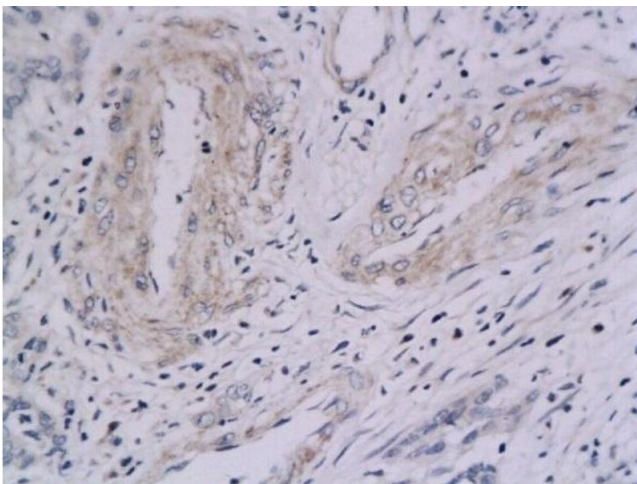
Publications

Product cited in: Bian, Ma, Jain, Crane, Kebaish, Wan, Zhang, Edward Guo, Sponseller, Séguin, Riley, Wang, Cao: "Mechanotransduction activation of TGF β maintains intervertebral disc homeostasis." in: **Bone research**, Vol. 5, pp. 17008, (2017) ([PubMed](#)).

Chen, Zheng, Liu, Shi, Qi: "Periostin activates pathways involved in epithelial-mesenchymal transition in adamantinomatous craniopharyngioma." in: **Journal of the neurological sciences**, Vol. 360, pp. 49-54, (2016) ([PubMed](#)).

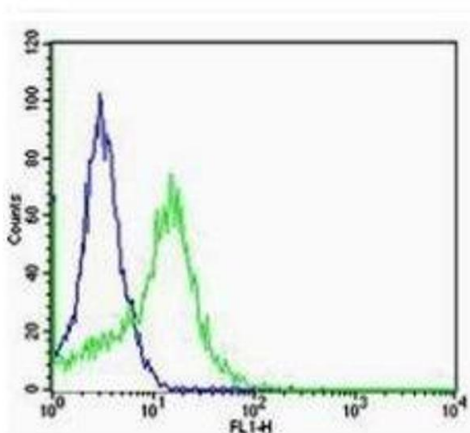
Mondal, Barui, Chaudhuri: "The relationship between the cyclic-RGDfK ligand and α v β 3 integrin receptor." in: **Biomaterials**, Vol. 34, Issue 26, pp. 6249-60, (2013) ([PubMed](#)).

Images



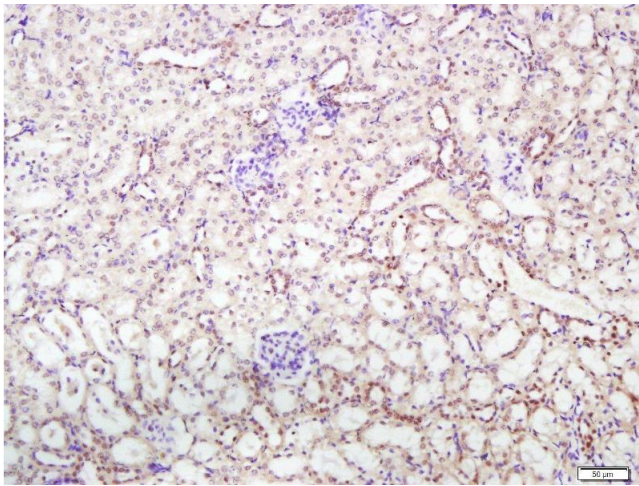
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded cervical cancer labeled with Anti-Integrin α v β 5 Polyclonal Antibody, Unconjugated (ABIN685372) followed by conjugation to the secondary antibody and DAB staining



Flow Cytometry

Image 2. A549 cells probed with Rabbit Anti-Integrin Alpha V + Beta 5 Polyclonal Antibody Alexa Fluor 488 Conjugated Secondary.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Paraformaldehyde-fixed, paraffin embedded Mouse Kidney, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30min, Antibody incubation with Integrin Alpha V + Beta 5 Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, followed by a conjugated secondary antibody for 20 minutes and DAB staining.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN685372.