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Datasheet for ABIN676718
anti-ITGAV/ITGB1 antibody

3 Images

1 Publication

Overview

Quantity:	100 µL
Target:	ITGAV/ITGB1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITGAV/ITGB1 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), ELISA

Product Details

Immunogen:	Mixed KLH conjugated syntheticpeptides for human Integrin Alpha V and human Integrin Beta1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	ITGAV/ITGB1
Alternative Name:	Integrin Alpha V + Beta 1 (ITGAV/ITGB1 Products)
Background:	Synonyms: Integrin alpha-V: Integrin alpha-V, Vitronectin receptor subunit alpha, CD51 Integrin

Target Details

beta-1: Fibronectin receptor subunit beta, Glycoprotein IIa, GPIIA, VLA-4 subunit beta, CD29
Background: The alpha-V (ITGAV) 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. Integrin alpha-V/beta-1 is a receptor for vitronectin. Beta-1 integrins recognize the sequence R-G-D in a wide array of ligands. Isoform 2 interferes with isoform 1 resulting in a dominant negative effect on cell adhesion and migration (in vitro).

Gene ID: 3685, 3688

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
FCM 1:20-100
IHC-P 1:200-400
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.

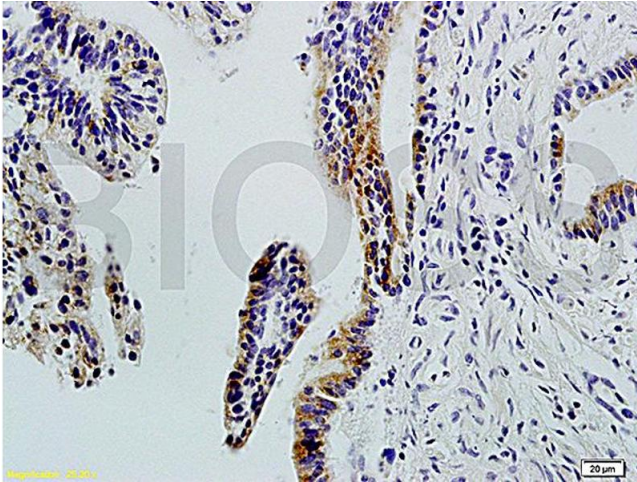
Expiry Date: 12 months

Publications

Product cited in: Hendsi, Barbe, Safadi, Monroy, Popoff: "Integrin mediated adhesion of osteoblasts to

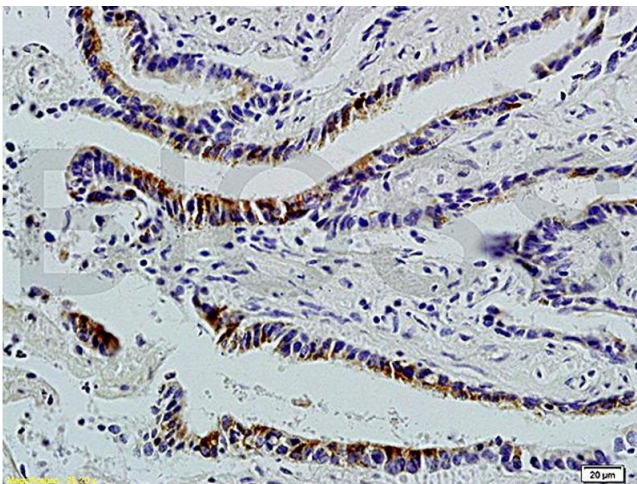
connective tissue growth factor (CTGF/CCN2) induces cytoskeleton reorganization and cell differentiation." in: **PLoS ONE**, Vol. 10, Issue 2, pp. e0115325, (2015) ([PubMed](#)).

Images



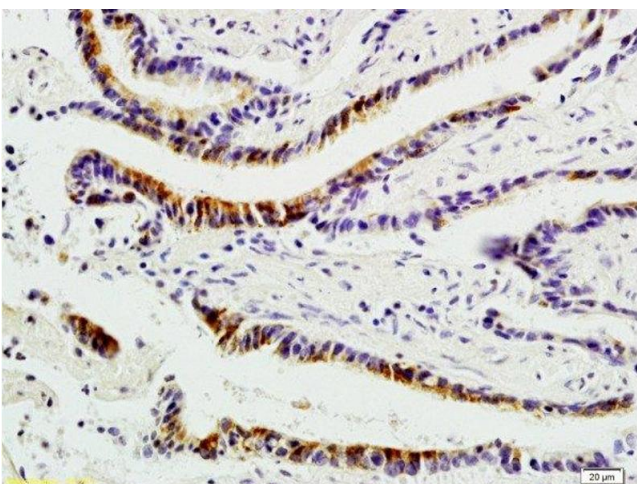
Immunohistochemistry

Image 1. Formalin-fixed and paraffin-embedded : human colon carcinoma labeled with Rabbit Anti-Integrin α V β 1 Polyclonal Antibody (ABIN676718), Unconjugated 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin-embedded : human colon carcinoma labeled with Rabbit Anti-Integrin α V β 1 Polyclonal Antibody (ABIN676718), Unconjugated 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin-embedded : human colon carcinoma labeled with Rabbit Anti-Integrin α V β 1 Polyclonal Antibody , Unconjugated 1:200 followed by conjugation to the secondary antibody and DAB staining