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Datasheet for ABIN714808
anti-ITGAV/ITGB6 antibody (Biotin)

2 Publications

Overview

Quantity:	100 µL
Target:	ITGAV/ITGB6
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITGAV/ITGB6 antibody is conjugated to Biotin
Application:	Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Integrin Alpha V + Beta 6
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	ITGAV/ITGB6
Alternative Name:	Integrin Alpha V + Beta 6 (ITGAV/ITGB6 Products)
Background:	Synonyms: CD51, Integrin alpha-V light chain, integrin, alpha V vitronectin receptor, alpha polypeptide, antigen CD51, Integrin, alpha V, Integrin, beta 6, ITAV_HUMAN, ITGAV, ITGB6, Vitronectin receptor subunit alpha.

Target Details

Background: Integrins are heterodimeric cell surface receptors composed of alpha and beta subunits, which mediate cell-cell and cell-extracellular matrix attachments. Aberrant integrin expression has been found in many epithelial tumours. Changes in integrin expression have been shown to be important for the growth and early metastatic capacity of melanoma cells. Integrin alpha-v beta-6 is upregulated in cancers and during tissue remodelling but is absent from resting adult tissues. Integrin alpha-v beta-6 promotes invasion and correlates with poor survival and therefore makes a promising therapeutic target.

Gene ID: 36853694

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months

Publications

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

McLaughlan, Ingram, Smith, Harput, Coletta, Evans, Freear: "Increasing the sonoporation efficiency of targeted polydisperse microbubble populations using chirp excitation." in: **IEEE transactions on ultrasonics, ferroelectrics, and frequency control**, Vol. 60, Issue 12, pp. 2511-20, (2013) ([PubMed](#)).