Product Name: Cleaved-Integrin α5 HC (F42) Rabbit

Polyclonal Antibody Catalog #: APRab08994



Summary

Production Name Cleaved-Integrin α5 HC (F42) Rabbit Polyclonal Antibody

Description Rabbit Polyclonal Antibody

HostRabbitApplicationWB,ELISAReactivityHuman,Mouse

Performance

ConjugationUnconjugatedModificationUnmodified

Isotype IgG

Clonality Polyclonal Form Liquid

Storage Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Buffer Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.

Purification Affinity purification

Immunogen

Gene Name ITGA5

ITGA5; FNRA; Integrin alpha-5; CD49 antigen-like family member E; Fibronectin Alternative Names

receptor subunit alpha; Integrin alpha-F; VLA-5; CD antigen CD49e

Gene ID 3678.0

P08648. The antiserum was produced against synthesized peptide derived from human SwissProt ID

ITGA5. AA range:23-72

Application

Dilution Ratio WB 1:500-1:2000, ELISA 1:10000.Not yet tested in other applications.

Molecular Weight 92kDa

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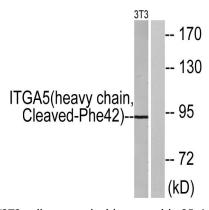
Background

Integrin subunit alpha 5(ITGA5) Homo sapiens The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha subunit and a beta subunit that function in cell surface adhesion and signaling. The encoded preproprotein is proteolytically processed to generate light and heavy chains that comprise the alpha 5 subunit. This subunit associates with the beta 1 subunit to form a fibronectin receptor. This integrin may promote tumor invasion, and higher expression of this gene may be correlated with shorter survival time in lung cancer patients. Note that the integrin alpha 5 and integrin alpha V subunits are encoded by distinct genes. [provided by RefSeq, Oct 2015], function: Integrin alpha-5/beta-1 is a receptor for fibronectin and fibrinogen. It recognizes the sequence R-G-D in its ligands. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions., similarity: Belongs to the integrin alpha chain family., similarity: Contains 7 FG-GAP repeats., subunit: Heterodimer of an alpha and a beta subunit. The alpha subunit is composed of an heavy and a light chain linked by a disulfide bond. Alpha-5 associates with beta-1. Interacts with HPS5 and NISCH. Interacts with HIV-1 Tat. Interacts with RAB21.,

Research Area

Focal adhesion; ECM-receptor interaction; Hematopoietic cell lineage; Regulates Actin and Cytoskeleton; Hypertrophic cardiomyopathy (HCM); Arrhythmogenic right ventricular cardiomyopathy (ARVC); Dilated cardiomyopathy;

Image Data



Western blot analysis of lysates from NIH/3T3 cells, treated with etoposide 25uM 24h, using ITGA5 (heavy chain,Cleaved-Phe42) Antibody. The lane on the right is blocked with the synthesized peptide.

Note

For research use only.

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