

Product datasheet for TA323922

CD51 (ITGAV) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: WB: 1:500-2000

Reactivity: Human, Mouse, Rat

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

Immunogen: Synthetic peptide corresponding to a region derived from 1021-1034 amino acids of human

integrin, alpha V

Formulation: PBS pH7.3, 0.05% NaN3, 50% glycerol

Concentration: lot specific

Purification: Antigen affinity purification

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 115 kDa

Gene Name: integrin subunit alpha V

Database Link: NP 001138471

Entrez Gene 16410 MouseEntrez Gene 296456 RatEntrez Gene 3685 Human

P06756



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Background:

Integrins are a/β heterodimeric cell surface receptors that play a pivotal role in cell adhesion and migration, as well as in growth and survival. The integrin family contains at least 18 a and 8 β subunits that form 24 known integrins with distinct tissue distribution and overlaping ligand specificities. Integrins not only transmit signals to cells in response to the extracellular environment (outside-in signaling), but also sense intracellular cues to alter their interaction with extracellular environment (inside-out signaling). Several aV subfamily members, including aV β 3, aV β 5, aV β 1, are highly expressed in active endothelial cells and cancer cells where they play a critical role in angiogenesis and tumor metastasis. Therefore, interest has focused on aV integrin as a key therapeutic target in the treatment of cancer.

Synonyms: CD51; MSK8; VNRA; VTNR

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

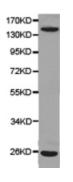
Protein Pathways: Arrhythmogenic right ventricular cardiomyopathy (ARVC), Cell adhesion molecules (CAMs),

Dilated cardiomyopathy, ECM-receptor interaction, Focal adhesion, Hypertrophic

cardiomyopathy (HCM), Pathways in cancer, Regulation of actin cytoskeleton, Small cell lung

cancer

Product images:



Predicted band size: 115 kDa. Positive control: A549 cell lysate. Recommended dilution: 1/500-2000. (Gel: 8%SDS-PAGE Lysate: 40 ug Primary antibody: 1/500 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 1 minute)