

Integrin beta 5 Rabbit monoclonal antibody

Catalog: MB66360

Host: Rabbit

Reactivity: Human, Rat, Hamster

BackGround:

Integrins are α/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 α and 8 β subunits that form 24 known integrins having distinct tissue distribution and overlapping 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).

The $\alpha V\beta 5$ integrin is expressed in various tissues and cell types, including endothelia, epithelia and fibroblasts. It plays a role in matrix adhesion to VN, FN, SPARC and bone sialoprotein and functions in the invasion of gliomas and metastatic carcinoma cells. $\alpha V\beta 5$ integrin plays a major role in growth-factor-induced tumor angiogenesis, where cooperative signaling by the $\alpha V\beta 5$ integrin and growth factors regulates endothelial cell proliferation and survival.

Product:

Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA.

Molecular Weight:

~ 85 kDa

Swiss-Prot:

P18084

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

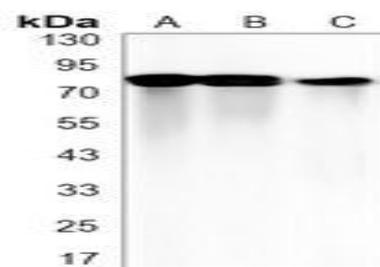
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of Integrin beta 5 protein.

DATA:



Western blot analysis of Integrin beta 5 expression in C6 (A), CHOK1 (B), HeLa (C) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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