

CD49e polyclonal antibody

Catalog: BS67779

Host: Rabbit

Reactivity: Human, Mouse, Rat

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 with 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 the extracellular environment (inside-out signaling).

Integrin $\alpha 5/\beta 1$ is involved in multiple biological processes including embryonic development, angiogenesis and tumor metastasis. By interaction with its fibronectin ligand, $\alpha 5/\beta 1$ transduces signals that regulate cell adhesion, migration, matrix assembly and cytoskeletal organization.

Product:

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 130 kDa

Swiss-Prot:

P08648

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IF/ICC (1/50 - 1/200)

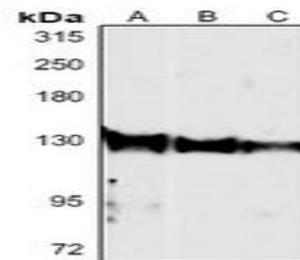
Storage&Stability:

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

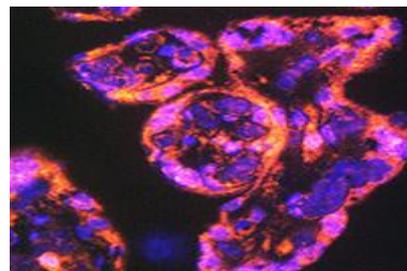
Specificity:

Recognizes endogenous levels of CD49e protein.

DATA:



Western blot analysis of CD49e expression in NIH3T3 (A), HT1080 (B), rat heart (C) whole cell lysates.



Immunofluorescent analysis of CD49e staining in human placenta.

Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

Note:

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

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