www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

ITGB1

Reactivity: Human

Tested applications:WB

Recommended Dilution:WB 1:500 - 1:1000

Calculated MW:130kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human ITGB1

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

ITGB1;CD29;FNRB;GPIIA;MDF2;MSK12;VLA-BETA;VLAB

Catalog #:A0035

Antibody Type:

Monoclonal Antibody

Species: Mouse

Gene ID:3688

Isotype: IgG

Swiss Prot:P05556

Purity: Affinity purification

For research use only.

Background:

Integrins are / heterodimeric cell surface receptors that play a pivotal role in cell adhesion and migration, as well as in growth and survival (1,2). The integrin family contains at least 18 and 8 subunits that form 24 known integrins with distinct tissue distribution and overlaping ligand specificities (3). 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) (1,2).The 1 subfamily includes 12 distinct intergrin proteins that bind to different extracellular matrix molecules (4). Control of extracellular integrin binding influences cell adhesion and migration, while intracellular signaling messages relayed by the 1 cytoplasmic tail helps to regulate cell proliferation, cytoskeletal reorganization and gene expression (4). 1 integrin is implicated in various activities including embryonic development, blood vessel, skin, bone and muscle formation, as well as tumor metastasis and angiogenesis (4,5).

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