

Integrin β 1 (phospho-T788) polyclonal antibody

Catalog: BCP00967

Host: Rabbit

Reactivity: Human,Mouse,Rat

BackGround:

Integrins are heterodimers composed of noncovalently associated transmembrane α and β subunits. The 16 α and 8 β subunits heterodimerize to produce more than 20 different receptors. Most integrin receptors bind ligands that are components of the extracellular matrix, including Fibronectin, collagen and vitronectin. Certain integrins can also bind to soluble ligands, such as fibrinogen, or to counterreceptors on adjacent cells such as the intracellular adhesion molecules (ICAMs), leading to aggregation of cells. Ligands serve to cross-link or cluster integrins by binding to adjacent integrin receptors; both receptor clustering and ligand occupancy are necessary for the activation of integrin-mediated responses. In addition to mediating cell adhesion and cytoskeletal organization, integrins function as signaling receptors. Signals transduced by integrins play a role in many biological processes, including cell growth, differentiation, migration and apoptosis.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 115 kDa

Swiss-Prot:

P05556

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 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:

p-Integrin β 1 (T788) polyclonal antibody detects endogenous levels of Integrin β 1 protein only when phosphorylated at Thr788

DATA:

Western blot (WB) analysis of p-Integrin β 1 (T788) pAb at 1:500 dilution

Lane1:CT26 whole cell lysate(40ug)

Lane2:PC12 whole cell lysate(40ug)

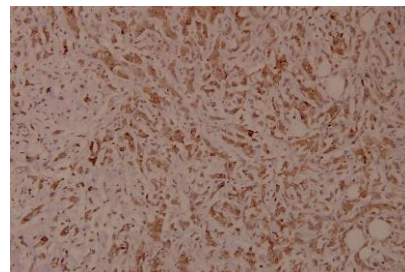
Lane3:SK-OVCAR3 whole cell lysate(40ug)

Lane4:A2780 whole cell lysate(40ug)

Lane5:HCT116 whole cell lysate(40ug)

Lane6:HEK293T whole cell lysate(40ug)

Lane7:Hela whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of p-Integrin β 1 (T788) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

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