

Integrin $\alpha 3$ (F531) polyclonal antibody

Catalog: BS3437

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

Integrins are heterodimers composed of non-covalently 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. The Integrin $\alpha 3$ chain, also known as very late (activation) antigen 3 (VLA-3), very common antigen 2 (VCA-2), extracellular matrix receptor 1 (ECMR1) and galactoprotein b3 (GAPB3), undergoes post-translational cleavage in the extracellular domain to yield disulfide-linked light and heavy chains that join with $\beta 1$ to form an integrin that interacts with many extracellular-matrix proteins.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 117 kDa

Swiss-Prot:

P26006

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

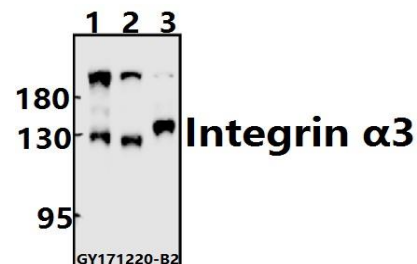
Storage&Stability:

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

Specificity:

Integrin $\alpha 3$ (F531) polyclonal antibody detects endogenous levels of Integrin $\alpha 3$ protein.

DATA:



Western blot (WB) analysis of Integrin $\alpha 3$ (F531) pAb at 1:500 dilution

Lane1: AML-12 whole cell lysate(20ug)

Lane2: PC12 whole cell lysate(10ug)

Lane3: HepG2 whole cell lysate(20ug)

Note:

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

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