Rabbit Monoclonal antibody to Integrin beta-1 (CD29) [EP1041Y]

Catalog Number: NB110-57123

Background: Integrin beta-1 (ITGB1, CD29, VLA-beta) is the beta subunit found in the integrin families, forming a heterodimer integrin receptor through non-covalent bonding with various integrin alpha subunits. Integrin heterodimer containing Integrin beta-1 binds to various cell surface and extracellular proteins (CD49a-f, CD51) to mediate cell to cell and cell to matrix adhesion (1). Integrin beta-1 plays a critical role in the cell adhesion and recognition in embryogenesis, hemostasis, immune response, tissue repair, metastatic diffusion of tumor cells and development (2, 3, 4).

Alternate Names: beta 1 subunit antibody
CD 29 antibody
CD29 antibody
CD29 antigen antibody
Fibrinogen Receptor beta subunit antibody
FNRB antibody
GPIIA antibody
integrin beta 1 (fibronectin receptor beta polypeptide antigen CD29 includes MDF2 MSK12) antibody
Integrin VLA 4 subunit beta antibody
ITGB 1 antibody
ITGB1 antibody
MDF2 antibody
MSK12 antibody
Very Late Activation Protein beta Polypeptide antibody
VLAB antibody
VLABeta antibody

Host: Rabbit

Clone: EP1041Y

Isotype: IgG

Specificity: A synthetic peptide corresponding to the residue near the C-terminal of human Integrin beta-1 (CD29) was used as immunogen.

Species Reactivity: Reacts in human, mouse, and rat. Not tested in other species.

Uses:
- WB: 1:500
- IHC: 1:250 – 500
- FC: 1:70
- * Other applications have not been tested.

Dilutions:
- Suggested working dilutions *
  - flow cytometry / FACS analysis,
  - immunohistochemistry,
  - Western Blot
- * Investigator should determine optimal working dilutions.

Buffer: 50 mM Tris-Glycine (pH 7.4), 0.18 M NaCl, 40% Glycerol, 0.25 mM EDTA, 25 mM Citric Acid, and 0.5% BS
Preservative: 0.25% sodium azide

Storage: Store at -20 °C. Stable for 12 months from date of receipt.

Limitations: This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 6 months from date of receipt.

General References: