

RABBIT ANTI-HUMAN INTEGRIN beta1 POLYCLONAL ANTIBODY

- CATALOG NUMBER:** AB1952
- LOT NUMBER:**
- QUANTITY:** 100 μ L **EPITOPE:** C-terminus
- ALTERNATE NAMES:** CD29
- SPECIFICITY:** Reactive with human, mouse and rat integrin beta1, as confirmed by western blot. Not reactive with other integrins.
- IMMUNOGEN:** Synthetic peptide corresponding to the C-terminus of human integrin beta1 (amino acids CTTVVNPKYEGK)
- APPLICATIONS:** Western blot: 1:500 - 1000 dilution for detection in whole cell lysate. The antibody is effective against reduced (MW = 130 kDa) and non-reduced (MW = 110 kDa) proteins.
Immunoprecipitation: 1:40
Optimal working dilutions must be determined by the end user.
- SPECIES REACTIVITY:** Human, mouse, and rat. Reactivity with other species has not been confirmed.
- CONTROL:** U251 cell line
- PRESENTATION:** Serum containing no preservatives
- STORAGE/HANDLING:** Maintain frozen at -20°C in undiluted aliquots for up to 12 months from date or receipt.
- REFERENCES:** Umesh, Anita, et al. (2006) Integrin ligands mobilize Ca²⁺ from ryanodine receptor-gated stores and lysosome-related acidic organelles in pulmonary arterial smooth muscle cells. *J. Biol. Chem.*, 281: 34312-34323.
Liang, C.-C. and Chen, H.-C. (2001) Sustained activation of extracellular signal-regulated kinase stimulated by hepatocyte growth factor leads to integrin alpha 2 expression that is involved in cell scattering. *J. Biol. Chem.*, 276(24):21146-21152.
Johnson, GA et al.. (2001) Muc-1, Integrin, and Osteopontin Expression During the Implantation Cascade in Sheep1. *Biol Reprod*, 65(3):820-828
Dulabon, L., et al. (2000) Reelin binds alpha3beta1 integrin and inhibits neuronal migration. *Neuron* 27:33-44.
Khalsa, PS et al.. (2000). Expression of integrin a2b1 in axons and receptive endings of neurons in rat, hairy skin. *Neurosci Lett*, 293:13-16.
Tashiro, K. et al.. (1999). An IKLLI-containing peptide derived from the laminin a1 chain mediating heparin-binding, cell adhesion, neurite outgrowth and proliferation, represents a binding site for integrin a3b1 and heparan sulphate proteoglycan. *Biochem. J.*, 340:119-126.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

For research use only; not for use as a diagnostic.

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