

Anti-Integrin β1 (Extracellular region) Antibody

Catalog # AN1821

Specification

Anti-Integrin &1 (Extracellular region) Antibody - Product Information

Application WB
Primary Accession P05556
Host Mouse

Clonality Mouse Monoclonal

Isotype IgG1
Calculated MW 88415

Anti-Integrin β 1 (Extracellular region) Antibody - Additional Information

Gene ID 3688

Other Names

Integrin beta-1, Fibronectin receptor subunit beta, Glycoprotein IIa, GPIIA, VLA-4 subunit beta, CD29, TGB1, FNRB, MDF2, MSK12, ITGB1

Target/Specificity

Integrins are cell adhesion molecules that can mediate bidirectional transfer of signals across the plasma membrane. The cytoplasmic domains of integrin family members interact with components of the signal transduction apparatus within cells. Integrin receptors contain noncovalently associated α and β subunits that consist of a large extracellular region (the ligand-binding domain), a short transmembrane region, and a cytoplasmic domain of varying length. In mammals, at least 17 α subunits and 8 β subunits have been identified and these proteins can heterodimerize to form at least 22 different receptors. The integrin $\beta 2$ subunit associates with integrin αL to form a receptor for ICAM family members. Integrin $\beta 2/\alpha L$ is involved in a variety of immune phenomena including leukocyte-endothelial cell interaction, cytotoxic T-cell mediated killing, and antibody dependent killing by granulocytes and monocytes.

Dilution

WB~~1:1000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Anti-Integrin $\beta 1$ (Extracellular region) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

Blue Ice

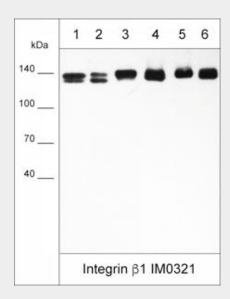
Anti-Integrin &1 (Extracellular region) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

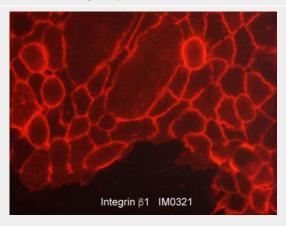


- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Anti-Integrin β1 (Extracellular region) Antibody - Images



Western blot analysis of integrin $\beta1$ expression in native human cells and tissues: A549 (lane 1) LNCaP (lane 2), MDA-MB-231 (lane 3) breast (lane 4), lung (lane 5), and skin (lane 6). The blot was probed with mouse monoclonal anti-Integrin $\beta1$ (IM0321) at 1:1000 dilution.



Immunocytochemical labeling of Integrin $\beta 1$ in paraformaldehyde fixed human A431 cells. The cells were labeled with mouse monoclonal anti-Integrin $\beta 1$ (IM0321). The antibody was detected using goat anti-mouse Ig DyLight® 594.

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