

Integrin beta 1 / CD29 antibody [HL1255]

Cat. No. GTX636657

Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Application	WB, ICC/IF, IHC-P, IP
Reactivity	Human, Mouse, Cat, Dog

Reference (1)

Pack age 100
µl, 25 µl

PRODUCT

Summary Integrin beta-1 / CD29 antibody detects integrin beta-1 protein (ITGB1), also known as CD29, which forms heterodimeric receptors with at least ten integrin alpha proteins to mediate various aspects of cell adhesion and migration. These functions are essential for embryogenesis, tissue repair, immune function, and other crucial processes in multicellular organisms. Integrin beta-1 has a predicted molecular weight of 88 kDa and exists in multiple isoforms.

APPLICATION

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:5000-1:20000
ICC/IF	Assay dependent
IHC-P	1:100-1:1000
IP	Assay dependent

Not tested in other applications.

Calculated MW 88 kDa. ([Note](#))

Product Note This antibody was raised against human Integrin beta 1 / CD29 Intracellular domain.

PROPERTIES

Form	Liquid
Buffer	PBS
Preservative	No preservative
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Synthetic peptide encompassing a sequence within the Intracellular domain of human Integrin beta 1 / CD29. The exact sequence is proprietary.

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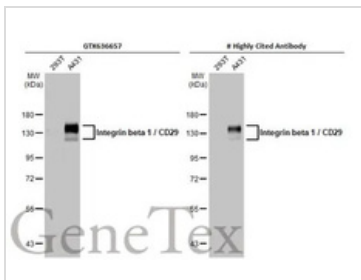
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Purification	Affinity purified by Protein A.
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

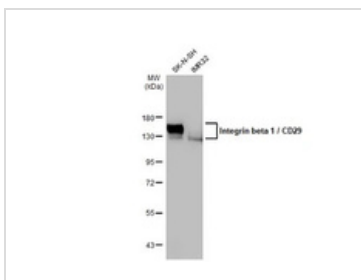
DATA IMAGES



GTX636657 WB Image

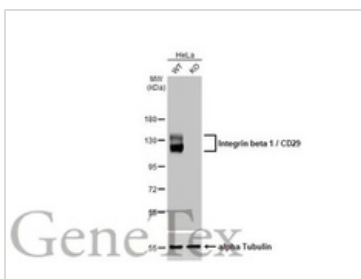
Various whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membranes were blotted with Integrin beta 1 / CD29 antibody [HL1255] (GTX636657) diluted at 1:10000 and competitor's antibody (# Highly Cited Antibody) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

*The competitor is not affiliated with GeneTex and does not endorse this product.



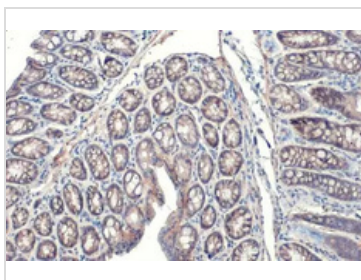
GTX636657 WB Image

Various whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Integrin beta 1 / CD29 antibody [HL1255] (GTX636657) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX636657 WB Image

Wild-type (WT) and ITGB1 knockout (KO) HeLa cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Integrin beta 1 / CD29 antibody [HL1255] (GTX636657) diluted at 1:20000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX636657 IHC-P Image

Integrin beta 1 / CD29 antibody [HL1255] detects Integrin beta 1 / CD29 protein at cell membrane and cytoplasm by immunohistochemical analysis.

Sample: Paraffin-embedded mouse colon.

Integrin beta 1 / CD29 stained by Integrin beta 1 / CD29 antibody [HL1255] (GTX636657) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

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