Integrin beta 1 / CD29 antibody [HL1255]

Cat. No. GTX636657

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

References (1)
Package
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.

Applications

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.

Observed MW (kDa)	115-135 kDa.
Product Note	This antibody was raised against human Integrin beta 1 / CD29 Intracellular domain.

Properties

Form	Liquid
Buffer	PBS
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC 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.

For full product information, images and publications, please visit our website.

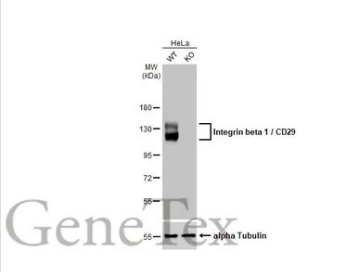
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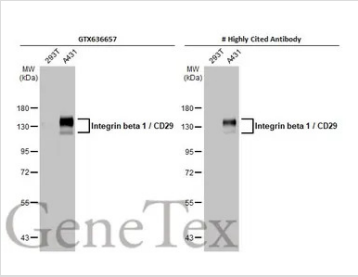
Purification	Affinity purified by Protein A.
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse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

DATA IMAGES



GTX636657 WB Image

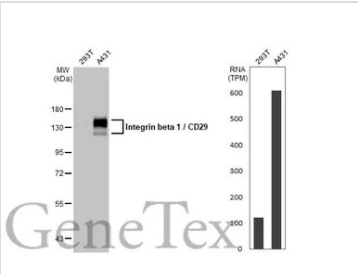
Wild-type (WT) and ITGB1 knockout (KO) HeLa cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Integrin beta 1 / CD29 antibody [HL1255] (GTX636657) diluted at 1:20000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX636657 WB Image

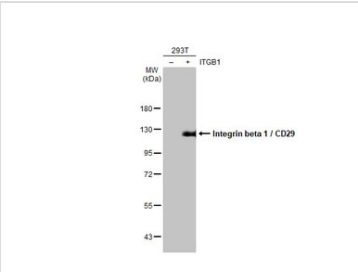
Various whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membranes were blotted with Integrin beta 1 / CD29 antibody [HL1255] (GTX636657) diluted at 1:10000 and competitor's antibody (# Highly Cited Antibody) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) 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. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.



GTX636657 WB Image

Non-transfected (–) and transfected (+) 293T whole cell extracts (100 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Integrin beta 1 / CD29 antibody [HL1255] (GTX636657) diluted at 1:50000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.

For full product information, images and publications, please visit our website.

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