

A23497

Leader in Biomolecular Solutions for Life Science



Integrin- β 1/CD29 Rabbit mAb

Catalog No.: A23497

Recombinant

3 Publications

Basic Information

Observed MW

35kDa

Calculated MW

88kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

WB,IHC-P,IF/ICC,FC,ELISA

Cross-Reactivity

Human,Mouse,Rat

CloneNo number

ARC52470

Background

Integrins are heterodimeric proteins made up of alpha and beta subunits. At least 18 alpha and 8 beta subunits have been described in mammals. Integrin family members are membrane receptors involved in cell adhesion and recognition in a variety of processes including embryogenesis, hemostasis, tissue repair, immune response and metastatic diffusion of tumor cells. This gene encodes a beta subunit. Multiple alternatively spliced transcript variants which encode different protein isoforms have been found for this gene.

Recommended Dilutions

WB 1:10000 - 1:30000

IHC-P 1:1000 - 1:5000

IF/ICC 1:100 - 1:400

FC 1:50 - 1:200

ELISA Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

3688

Swiss Prot

P05556

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

CD29; FNRB; MDF2; VLAB; GPIIA; MSK12; VLA-BETA; Integrin- β 1/CD29

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

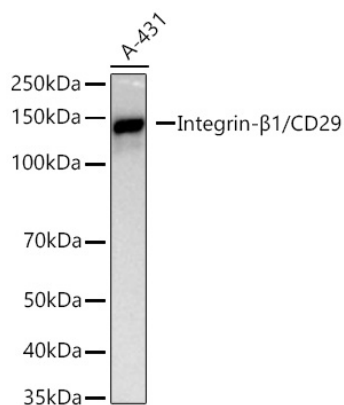
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Contact



www.abclonal.com

Validation Data



Western blot analysis of lysates from A-431 cells using Integrin-β1/CD29 Rabbit mAb (A23497) at 1:22000 dilution incubated overnight at 4°C.

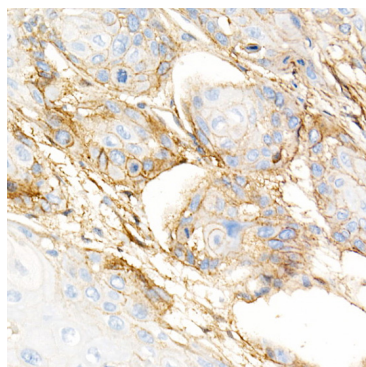
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

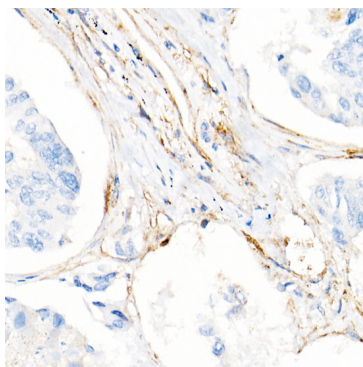
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

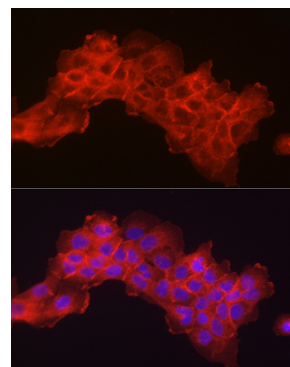
Exposure time: 30s.



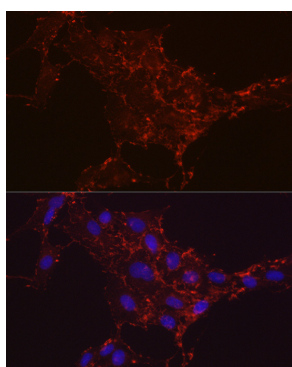
Immunohistochemistry analysis of paraffin-embedded Human esophageal cancer using Integrin-β1/CD29 Rabbit mAb (A23497) at dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



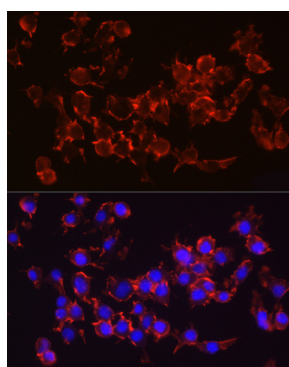
Immunohistochemistry analysis of paraffin-embedded Human lung cancer using Integrin-β1/CD29 Rabbit mAb (A23497) at dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



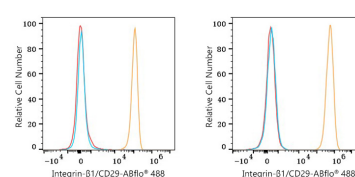
Immunofluorescence analysis of A-431 cells using Integrin-β1/CD29 Rabbit mAb (A23497) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of C6 cells using Integrin-β1/CD29 Rabbit mAb (A23497) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

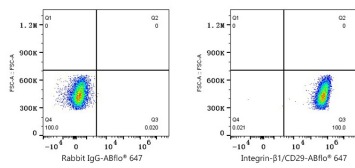


Immunofluorescence analysis of Neuro-2a cells using Integrin-β1/CD29 Rabbit mAb (A23497) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Flow cytometry: 1×10^6 HL-60 cells (Low Expression, left) and A549 cells (right) were surface-stained with Rabbit anti-Human Integrin-β1/CD29 mAb (A27614, 2 µg/mL, orange line) or Rabbit IgG isotype control (AC042, 2 µg/mL, blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used.

as blank control (red line).



Flow cytometry: 1X10⁶ A549 cells were surface-stained with Rabbit IgG isotype control (AC042,2 µg/mL,left) or Rabbit anti-Human Integrin-β1/CD29 mAb (A27614,2 µg/mL,right), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining.