

# Integrin- $\beta$ 1/CD29 Rabbit mAb

Catalog No.: A19072 **Recombinant** **5 Publications**

## Basic Information

### Observed MW

135kDa

### Calculated MW

88kDa

### Category

Primary antibody

### Applications

WB,IHC-P,ELISA

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC0266

## 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** 1:500 - 1:1000

**IHC-P** 1:50 - 1:200

**ELISA** Recommended starting concentration is 1  $\mu$ 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- $\beta$ 1/CD29

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

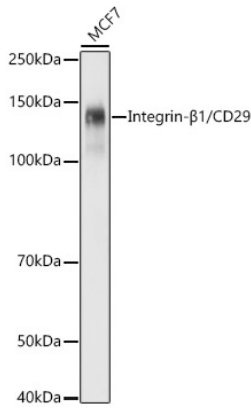
Affinity purification

### 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.

## Validation Data



Western blot analysis of lysates from MCF7 cells, using Integrin-β1/CD29 Rabbit mAb (A19072) at 1:1000 dilution.

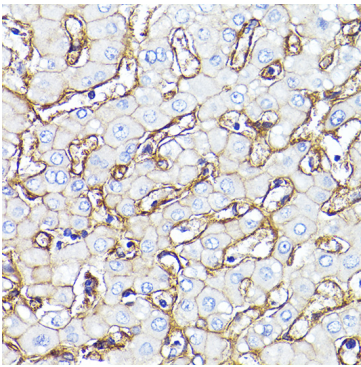
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25μg per lane.

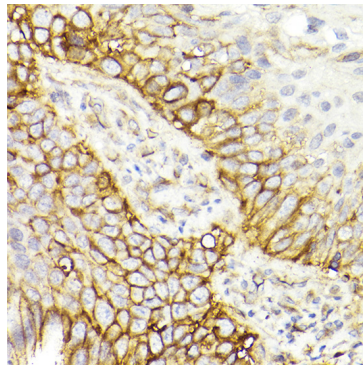
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Immunohistochemistry analysis of paraffin-embedded Human liver using Integrin-β1/CD29 Rabbit mAb (A19072) at dilution of 1:100 (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 (A19072) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.