

## Rabbit CD29 Polyclonal Antibody | anti-CD29 antibody

Rabbit anti-CD29 (pT789) Antibody

| CATALOG # | HOST   | REACTIVITY                                     | APPLICATIONS                                           |
|-----------|--------|------------------------------------------------|--------------------------------------------------------|
| AAA223932 | Rabbit | Human, Mouse, Rat, Bovine, Chicken, Pig, Sheep | Immunofluorescence, Immunohistochemistry, Western Blot |

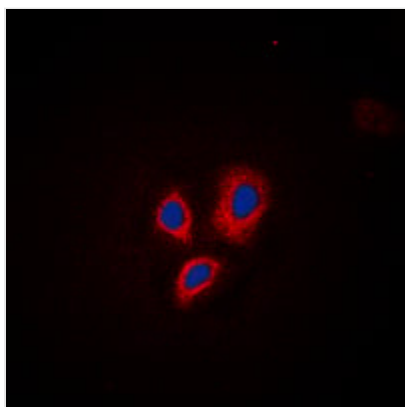
### PRODUCT SYNONYMS

CD29; Polyclonal Antibody; Rabbit anti-CD29 (pT789) Antibody; FNRB; MDF2; MSK12; Integrin beta-1; Fibronectin receptor subunit beta; Glycoprotein IIa; GPIIA; VLA-4 subunit beta; anti-CD29 antibody

### PRODUCT SPECIFICATIONS

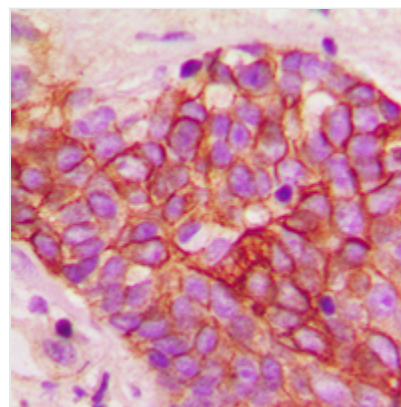
|                                                |                                                                                                                                             |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                      |
| Reactivity                                     | Human, Mouse, Rat, Bovine, Chicken, Pig, Sheep                                                                                              |
| Clonality                                      | Polyclonal                                                                                                                                  |
| Purity/Purification                            | The antibody was purified by immunogen affinity chromatography.                                                                             |
| Form/Format                                    | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                   |
| Concentration                                  | 1mg/mL (varies by lot)                                                                                                                      |
| Applicable Applications for anti-CD29 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                      |
| Immunogen                                      | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human CD29 (pT789). The exact sequence is proprietary. |
| Preparation and Storage                        | Store at -20 degree C. Avoid repeated freeze/thaw cycles.                                                                                   |

### IMAGES



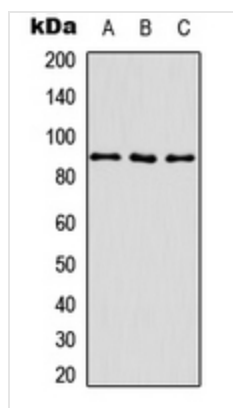
#### IF (Immunofluorescence)

Immunofluorescent analysis of CD29 (pT789) staining in HEK293T cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of CD29 (pT789) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



#### WB (Western Blot)

Western blot analysis of CD29 (pT789) expression in HEK293T (A), mouse kidney (B), rat liver (C) whole cell lysates.

## ADDITIONAL INFORMATION

Product Categories/Family for anti-CD29 antibody

Primary antibodies

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                |
|----------------------------------|----------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 19743813                                                                                                       |
| NCBI GeneID                      | 3688                                                                                                           |
| NCBI Accession #                 | NP_002202.2                                                                                                    |
| NCBI GenBank Nucleotide #        | NM_002211.3                                                                                                    |
| UniProt Accession #              | P05556; P09055; P49134                                                                                         |
| Molecular Weight                 | 88,415 Da                                                                                                      |
| NCBI Official Full Name          | integrin beta-1 isoform 1A                                                                                     |
| NCBI Official Synonym Full Names | integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)                   |
| NCBI Official Symbol             | ITGB1                                                                                                          |
| NCBI Official Synonym Symbols    | CD29; FNRB; MDF2; VLAB; GPIIA; MSK12; VLA-BETA                                                                 |
| NCBI Protein Information         | integrin beta-1; glycoprotein IIa; integrin VLA-4 beta subunit; very late activation protein, beta polypeptide |
| UniProt Protein Name             | Integrin beta-1                                                                                                |
| UniProt Gene Name                | <b>ITGB1</b>                                                                                                   |
| UniProt Synonym Gene Names       | FNRB; MDF2; MSK12; GPIIA                                                                                       |
| UniProt Entry Name               | ITB1_HUMAN                                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd29-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/223932>