# NKMAXBIO We support you, we believe in your research

# Human Integrin beta 1/CD29 antibody

Catalog Number: ATGA0485

# **PRODUCT INFORMATION**

## Catalog number

ATGA0485

#### Clone No.

AT47E2

# **Product type**

Monoclonal Antibody

#### UnitProt No.

P05556

#### **NCBI Accession No.**

NP 002202

#### **Alternative Names**

Integrin beta 1, Integrin beta 1, CD29, FNRB, MDF2, VLAB, GPIIA, MSK12, Fibronectin receptor subunit beta, Glycoprotein Iia, GPIIA, VLA-4 subunit bet

# **PRODUCT SPECIFICATION**

#### **Antibody Host**

Mouse

#### **Reacts With**

Human

#### **Concentration**

1mg/ml (determined by BCA assay)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

# **Immunogen**

Recombinant human ITGB1 (21-461aa) purified from E. coli.

# Isotype

IgG1 kappa

#### **Purification Note**

By protein-A affinity chromatography

### **Application**

ELISA, WB, ICC/IF

#### Usage

The antibody has been tested by ELISA, Western blot analysis and ICC/IF to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.



# NKMAXBio We support you, we believe in your research

# **Human Integrin beta 1/CD29 antibody**

Catalog Number: ATGA0485

## **Storage**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

# **BACKGROUND**

### **Description**

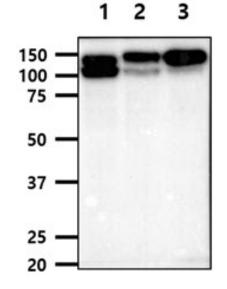
Integrins are heterodimeric proteins made up of alpha and beta subunits. At least 18 alpha and 8 beta subunits have been described in mammals. Integrin family members are membrane receptors involved in cell adhesion and recognition in a variety of processes including embryogenesis, hemostasis, tissue 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.

#### **General References**

Pellinen T., et al. (2008) Dev. Cell. 15: 371-385. Chuang N.N., et al. (2007) Biochem. Soc. Trans. 35:1292-1294.

## **DATA**

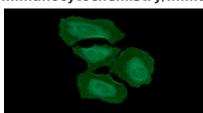
# Western blot analysis (WB)



The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ITGB1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: A549 cell lysate Lane 2.: PC3 cell lysate Lane 3.: HT1080 cell lysate

### Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of ITGB1 in HeLa cells. The cell was stained with ATGA0485 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



# NKMAXBio We support you, we believe in your research

# Human Integrin beta 1/CD29 antibody

Catalog Number: ATGA0485

