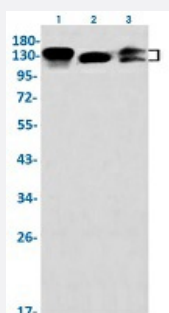


RecomAb™

ITGB1 recombinant monoclonal antibody, clone R06-1H5

Catalog # RAB02169 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: C6, Lane 2: 3T3 and Lane 3: Hela lysates with ITGB1 recombinant monoclonal antibody, clone R06-1H5 (Cat # RAB02169).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ITGB1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human ITGB1.
Theoretical MW (kDa)	Calculated MW: 88 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at -20 °C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: C6, Lane 2: 3T3 and Lane 3: Hela lysates with ITGB1 recombinant monoclonal antibody, clone R06-1H5 (Cat # RAB02169).

Gene Info — ITGB1

Entrez GeneID[3688](#)**Protein Accession#**[P05556](#)**Gene Name**

ITGB1

Gene Alias

CD29, FNRB, GPIIA, MDF2, MSK12, VLA-BETA, VLAB

Gene Description

integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)

Omim ID[135630](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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, hematopoiesis, 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. [provided by RefSeq]

Other Designations

OTTHUMP00000019420|OTTHUMP00000046253|OTTHUMP00000063731|OTTHUMP00000063732|OTTHUMP00000063733|fibronectin receptor beta subunit|integrin VLA-4 beta subunit|integrin beta 1

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Axon guidance](#)

- [Cell adhesion molecules \(CAMs\)](#)
- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [Leukocyte transendothelial migration](#)
- [Pathogenic Escherichia coli infection - EHEC](#)
- [Pathways in cancer](#)
- [Regulation of actin cytoskeleton](#)
- [Small cell lung cancer](#)

Disease

- [Alzheimer Disease](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Chylothorax](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Inflammation](#)
- [Myocardial Infarction](#)
- [Ovarian Neoplasms](#)
- [Prostatic Neoplasms](#)
- [Recurrence](#)
- [Stroke](#)