

DNAxPAb

Hard-to-Find
Antibody

ITGB1 DNAxPab

Catalog # H00003688-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human ITGB1 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence MNLQPIFWIGLISSVCCVFAQTDENRCLKANAKSCGECIQAGPNCGWCTNSTFLQEGMPTSARC
DDLEALKKKKGCPPDDIENPRGSKDIKKKNKNTNRSGTAEKLPEDITQIQPQQLVLRRLRSGEPT
FTLKFKRAEDYPIDLYLMDLSYSMKDDLENVKSLGTDLMNEMRRITSDFRIGFGSFVEKTVMPYIS
TTPAKLRNPCTSEQNCTSPFSYKNVLSLTNKGEVFNELVGKQRISGNLDSPEGGFDAMQVAVCG
SLIGWRNVTRLLVFSTDAGFHFAGDGKLGGLVLPNDGQCHLENNMYTMSHYDYPSIAHLVQKLSE
NNIQTIFAVTEEFQPVYKELKNLIPKSAVGTLSSANSNVQLIIDAYNSLSSEVILENGKLSEGVTSYK
SYCKNGVNGTGENGRKCSNISIGDEVQFEISITSNKCCKDSDSFKIRPLGFTEEEVILQYICECEC
QSEGIPESPKCHEGNGTFECGACRCNEGRVGRHCECSTDEVNSEDMDAYCRKENSSEICSNNG
ECVCGQCVCRRDNTNEIYSGKFCECDNFNCDSNGLICGGNGVCKCRVCECNPNYTGSAACDC
SLDSTCEASNGQICNGRGICEGVCCKCTDPKFQGGTCEMCQTCLGVCAEHKECVQCRAFNGK
EKKDTCTQECSYFNITKVESRDKLPQPVQPDVSHCKEKDVDDCWFFYFTYSVNGNNEVMHVV
ENPECPTGPDIIIPVAGVVAGMLIGLALLLIWKLMIHHRREFAKFEKEKMNAKWDGTGENPYKSAV
TTVVNPKYEGK

Host Rabbit

Reactivity Human

Purification Protein A

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer In 1x PBS, pH 7.4

Storage Instruction Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — ITGB1

Entrez GeneID [3688](#)

GeneBank Accession# [BC020057.1](#)

Protein Accession# [AAH20057.1](#)

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, 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. [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](#)