

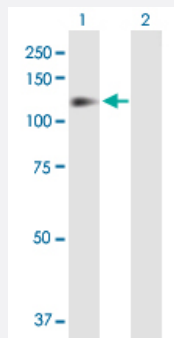
MaxPab®

ITGB1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00003688-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ITGB1 expression in transfected 293T cell line ([H00003688-T02](#)) by ITGB1 MaxPab polyclonal antibody.

Lane 1: ITGB1 transfected lysate(88.40 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human ITGB1 protein.

Immunogen

ITGB1 (AAH20057.1, 1 a.a. ~ 798 a.a) full-length human protein.

Sequence

MNLQPIFWIGLISSVCCVFAQTDENRCLKANAKSCGECIQAGPNCGWCTNSTFLQEGMPTSARC
DDLEALKKKGCPPDDIENPRGSKDIKKKNKNTNRSGTAEKLPEDITQIQPQQLVRLRSGEPQT
FTLKFKRAEDYPIDLYLMDLSYSMKDDLENVKS LGTDLNMNEMRRITSDFRIGFGSFVEKTVMPYIS
TTPAKLRNPCTSEQNCTSPFSYKNVLSLTNKGEVFNELVGKQRISGNLDSPEGGFDAMQVAVCG
SLIGWRNVTRLLVFSTDAGFHFAGDGKLG GIVLPNDGQCHLENNMYTMSHYDYPSIAHLVQKLSE
NNIQTIFAVTEEFQPVYKELKNLIPKSAVGTL SANSSNVIQLIIDA YNSLSSEVILENGKLSEGVTSYK
SYCKNGVNGTG ENGRKCSNISIGDEVQFEISITSNKCPKKDSDFS KIRPLGFTEEVEVILQYICECEC
QSEGIPESPKCHEGNGTFECGACRCNEGRVGRHCECSTDEVNSEDMDAYCRKENSSEICSNNG
ECVCGQCVC RKRDNNTNEISGKFCECDNFNCDRSNGLICGGNGVCKCRVCECNPNYTGSA CDC
SLDTSTCEASNGQICNGRGICECGVCKCTDPKFQGGQTCEMCQTCLGVCAEHKECVQCRAF NKG
EKKDTCTQECSYFNITKVESRDKL PQVPQDPVSHCKE KDVDDCW FYFTYSVNGNNEVMVHV V
ENPECPTGPDII PVAGVVAGMLIGLALLLWKLLMIH DRREFAKFEKEKMNAKWD TGENPIYKSAV
TTVVNPKYEGK

Host

Rabbit

Reactivity

Human

Interspecies Antigen Sequence	Mouse (92); Rat (92)
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)

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Lane 1: ITGB1 transfected lysate(88.40 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — ITGB1

Entrez GeneID	3688
GeneBank Accession#	NM_002211
Protein Accession#	AAH20057.1
Gene Name	ITGB1
Gene Alias	CD29, FNRRB, 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 receptor s involved in cell adhesion and recognition in a variety of processes including embryogenesis, he mostasis, 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

Publication Reference

- [Primary human leukocyte subsets differentially express vaccinia virus receptors enriched in lipid rafts.](#)

Byrd D, Amet T, Hu N, Lan J, Hu S, Yu Q.

Journal of Virology 2013 Aug; 87(16):9301.

Application: Flow Cyt, WB-Tr, Human, HeLa, activated T cells

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](#)