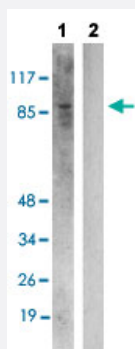


ITGB1 (phospho T789) polyclonal antibody

Catalog # PAB29262

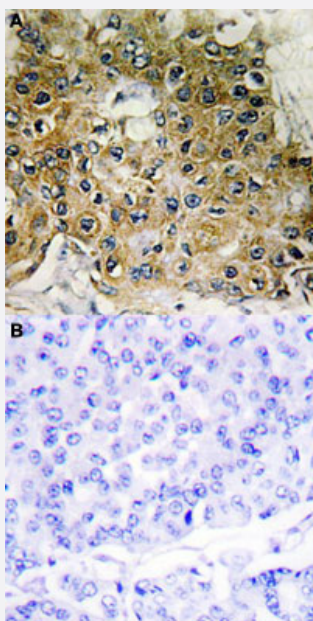
Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Lane 1: Ca²⁺ treated HepG2 cells, Lane 2: antigen-specific peptide treated HepG2 cells with ITGB1 (phospho T789) polyclonal antibody (Cat# PAB29262) at 1:500-1:1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast cancer tissue with ITGB1 (phospho T789) polyclonal antibody (Cat# PAB29262) without blocking peptide (A) or preincubated with blocking peptide (B) under 1:50-1:100 dilution.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic phosphopeptide of human ITGB1.

Immunogen

Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding T789 of human ITGB1.

Host	Rabbit
Theoretical MW (kDa)	90
Reactivity	Human, Mouse, Rat
Specificity	ITGB1 (phospho T789) polyclonal antibody detects endogenous levels of human ITGB1 only when phosphorylated at threonine 789.
Form	Liquid
Purification	Affinity Chromatography
Recommend Usage	Immunohistochemistry (1:50~1:100) Western Blot (1:500~1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
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

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Gene Info — ITGB1

Entrez GeneID	3688
Protein Accession#	P05556
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 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](#)