

ITGB2 polyclonal antibody

Catalog # PAB12294 Size 100 ug

Applications



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

Immunohistochemical staining of MMP16 on formalin fixed, paraffin embedded human uroepithelium cancer with ITGB2 polyclonal antibody (Cat # PAB12294).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ITGB2.
Immunogen	A synthetic peptide corresponding to N-terminus of human ITGB2.
Host	Rabbit
Theoretical MW (kDa)	84.7
Reactivity	Human
Specificity	The synthetic peptide of this antibody different from the related mouse sequence by five amino acids.
Form	Lyophilized
Purification	Immunoaffinity purification
Isotype	IgG
Recommend Usage	Western Blot (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	Lyophilized from 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimerosal)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 200 uL of deionized water and concentration will be 500 ug/mL, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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

Immunohistochemical staining of MMP16 on formalin fixed, paraffin embedded human uroepithelium cancer with ITGB2 polyclonal antibody (Cat # PAB12294).

Gene Info — ITGB2

Entrez GeneID	3689
Protein Accession#	AAH05861
Gene Name	ITGB2
Gene Alias	CD18, LAD, LCAMB, LFA-1, MAC-1, MF17, MFI7
Gene Description	integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)
Omim ID	116920 600065
Gene Ontology	Hyperlink
Gene Summary	The product of this gene belongs to the integrin beta chain family of proteins. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. This gene encodes the integrin beta chain beta 2. A given chain may combine with multiple partners resulting in different integrins. For example, beta 2 combines with the alpha L chain to form the integrin LFA-1, and combine with the alpha M chain to form the integrin Mac-1. Integrins are known to participate in cell adhesion as well as cell-surface mediated signalling. Defects in this gene are the cause of leukocyte adhesion deficiency type I (LAD1). Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq]

Other Designations

CD18 subunit|OTTHUMP00000115278|OTTHUMP00000115279|OTTHUMP00000115281|OTTHUMP00000115282|beta 2 integrin subunit|cell surface adhesion glycoprotein LFA-1/CR3/P150, 959 beta subunit precursor)|complement receptor C3 beta-subunit|integrin beta 2|integrin bet

Publication Reference

- [A novel form of integrin dysfunction involving beta1, beta2, and beta3 integrins.](#)

McDowall A, Inwald D, Leitinger B, Jones A, Liesner R, Klein N, Hogg N.

The Journal of Clinical Investigation 2003 Jan; 111(1):51.

Application: Flow Cyt, WB-Ce, Human, T cells, Neutrophils

- [The gene organisation of the human beta 2 integrin subunit \(CD18\).](#)

Weitzman JB, Wells CE, Wright AH, Clark PA, Law SK.

FEBS Letters 1991 Dec; 294(1-2):97.

- [The expression of CD18 is increased on Trisomy 21 \(Down syndrome\) lymphoblastoid cells.](#)

Taylor GM, Williams A, D'Souza SW, Fergusson WD, Donnai D, Fennell J, Harris R.

Clinical and Experimental Immunology 1988 Feb; 71(2):324.

Application: Flow Cyt, Human, Human lymphoblastoid cells

Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Leukocyte transendothelial migration](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Asthma](#)
- [Atherosclerosis](#)
- [Birth Weight](#)
- [Brain Ischemia](#)

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Cerebral Infarction](#)
- [Cerebrovascular Accident](#)
- [Constriction](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Diabetes Mellitus](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Edema](#)
- [Enterocolitis](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glomerulonephritis](#)
- [Hirschsprung Disease](#)
- [Hypercholesterolemia](#)
- [Infant](#)
- [Inflammation](#)
- [Intracranial Thrombosis](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Lymphoma](#)

- [Macular Degeneration](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Metabolic Syndrome X](#)
- [Narcolepsy](#)
- [Obesity](#)
- [Parkinson disease](#)
- [Recurrence](#)
- [Renal Insufficiency](#)
- [Respiratory Syncytial Virus Infections](#)
- [Stroke](#)
- [Thyroid Neoplasms](#)
- [Werner syndrome](#)