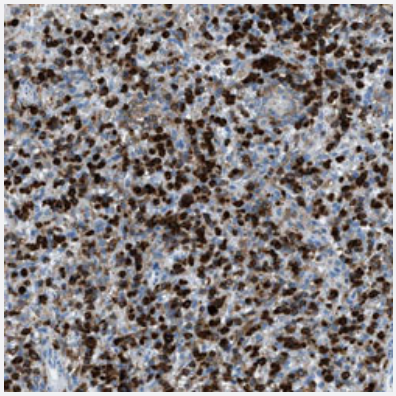
ITGB2 polyclonal antibody

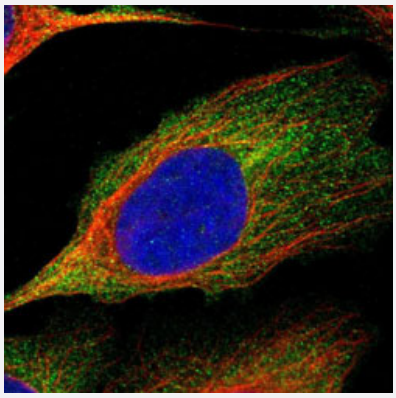
Catalog # PAB31467 Size 100 uL

Applications



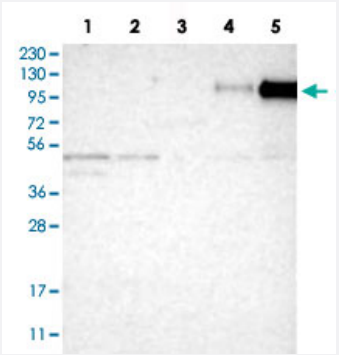
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human spleen with ITGB2 polyclonal antibody (Cat # PAB31467) shows strong cytoplasmic positivity in cells in red pulp.



Immunofluorescence

Immunofluorescent staining of U-2 OS cells with ITGB2 polyclonal antibody (Cat # PAB31467) (Green) shows localization to cytosol.



Western Blot

Western Blot analysis of Lane 1: RT-4 cell, Lane 2: U-251 MG sp cell, Lane 3: human plasma tissue (IgG/HSA depleted), Lane 4: human liver tissue and Lane 5: human tonsil tissue lysates with ITGB2 polyclonal antibody (Cat # PAB31467).

Specification

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Product Description	Rabbit polyclonal antibody raised against partial recombinant human ITGB2.
Immunogen	Recombinant protein corresponding to human ITGB2.
Sequence	LEDNLYKRSNEFDYPSVGQLAHKLAENNIQPIFAVTSRMVKTYEKLTEIIPKSAVGELSEDSSNVVH LIKNAYNKLSSRVFLDHNALPDTLKVTYDSFCSNGV
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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Gene Info — ITGB2

Entrez GeneID	3689
Protein Accession#	P05107
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 combines 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

Pathway

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

Disease

- Asthma
- Atherosclerosis
- Birth Weight

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- 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

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- 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

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