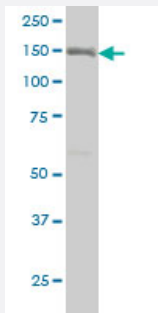


ITGA2 monoclonal antibody (M01), clone 2B6

Catalog # H00003673-M01

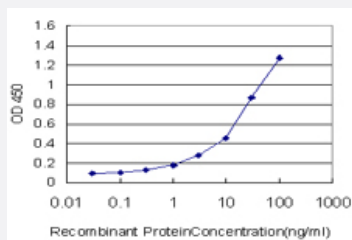
Size 100 ug

Applications



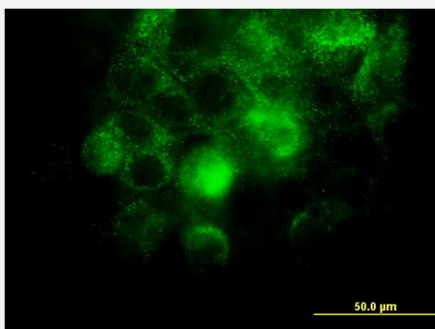
Western Blot (Cell lysate)

ITGA2 monoclonal antibody (M01), clone 2B6 Western Blot analysis of ITGA2 expression in A-431 (Cat # L015V1).



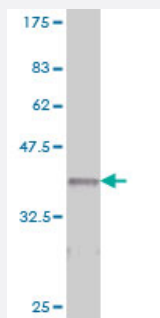
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ITGA2 is approximately 0.3ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to ITGA2 on A-431 cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (35.53 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ITGA2.
Immunogen	ITGA2 (NP_002194.2, 30 a.a. ~ 119 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	YNVGLPEAKIFSGPSSEQFGYAVQQFINPKGNWLLVGSPWSGFENRMGDVYKCPVDLSTATCE KLNLTQTSTIPNVTEMKTNMSLGLIL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (88); Rat (84)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.53 KDa) .
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 (Cell lysate)

ITGA2 monoclonal antibody (M01), clone 2B6 Western Blot analysis of ITGA2 expression in A-431 (Cat # L015V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ITGA2 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to ITGA2 on A-431 cell. [antibody concentration 10 ug/ml]

Gene Info — ITGA2

Entrez GeneID [3673](#)

GeneBank Accession# [NM_002203](#)

Protein Accession# [NP_002194.2](#)

Gene Name ITGA2

Gene Alias BR, CD49B, GPIa, VLA-2, VLAA2

Gene Description integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)

Omim ID [192974](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene product belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane glycoproteins composed of a distinct alpha chain and a common beta chain. They are found on a wide variety of cell types including, T cells, fibroblasts and platelets. Integrins are involved in cell adhesion and also participate in cell-surface mediated signalling. [provided by RefSeq]

Other Designations integrin alpha 2|platelet antigen Br|platelet glycoprotein GPIa|platelet glycoprotein Ia|very late activation protein 2 receptor, alpha-2 subunit

Publication Reference

- [Identification and Characterization of the Integrin \$\alpha_2\beta_1\$ Binding Motif in Chondroadherin Mediating Cell Attachment.](#)

Haglund L, Tillgren V, Addis L, Wenglen C, Recklies A, Heinegard D.

The Journal of Biological Chemistry 2011 Feb; 286(5):3925.

Application: WB, Human, 105KC cells

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [Hematopoietic cell lineage](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [Pathways in cancer](#)
- [Regulation of actin cytoskeleton](#)
- [Small cell lung cancer](#)

Disease

- [Abortion](#)
- [Activated Protein C Resistance](#)
- [Acute Chest Syndrome](#)
- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Anemia](#)
- [Aneurysm](#)
- [Angina](#)

- [Antiphospholipid Syndrome](#)
- [Arterial Occlusive Diseases](#)
- [Arteriosclerosis](#)
- [Atherosclerosis](#)
- [Atrial Fibrillation](#)
- [Behcet Syndrome](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cerebral Amyloid Angiopathy](#)
- [Cerebral Hemorrhage](#)
- [Cerebral Infarction](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)
- [Chronic Disease](#)
- [Colorectal Neoplasms](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)
- [Coronary Thrombosis](#)
- [Death](#)
- [Diabetes Mellitus](#)

- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Gingival Overgrowth](#)
- [Glomerulonephritis](#)
- [Graft Occlusion](#)
- [Hemolytic-Uremic Syndrome](#)
- [Hemorrhage](#)
- [Hemorrhagic Disorders](#)
- [Hypercholesterolemia](#)
- [Hypertension](#)
- [Infant](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Intracranial Aneurysm](#)
- [Kidney Failure](#)
- [Limb Deformities](#)
- [Lupus Erythematosus](#)
- [Lymphatic Metastasis](#)
- [Migraine Disorders](#)
- [Mouth Neoplasms](#)

- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Neuroblastoma](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Pain](#)
- [Postoperative Complications](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Prosthesis Failure](#)
- [Recurrence](#)
- [Retinal Vein Occlusion](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Syndrome](#)
- [Thrombocytopenia](#)
- [Thromboembolism](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [Vascular Diseases](#)
- [Venous Thrombosis](#)
- [von Willebrand Diseases](#)
- [Werner syndrome](#)