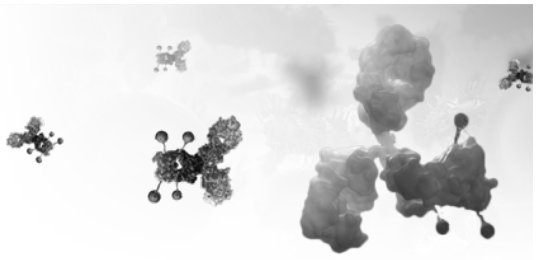

Rabbit Anti-ITGA2 monoclonal antibody, clone TO1863 (CABT-L751)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Integrin alpha 2
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TO1863
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP, FC
Molecular Weight	150 kDa
Cellular Localization	Membrane.
Positive Control	A431, MCF-7, human colon cancer tissue, mouse stomach tissue, human breast carcinoma tissue, human kidney tissue, mouse colon tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

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Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	Integrins are heterodimers composed of noncovalently associated transmembrane α and β subunits. The sixteen α and eight β subunits heterodimerize to produce more than 20 different receptors. Most integrin receptors bind ligands that are components of the extracellular matrix, including Fibronectin, collagen and Vitronectin. Certain integrins can also bind to soluble ligands such as fibrinogen, or to counter-receptors on adjacent cells such as the intracellular adhesion molecules (ICAMs), leading to aggregation of cells. Ligands serve to cross-link or cluster integrins by binding to adjacent integrin receptors; both receptor clustering and ligand occupancy are necessary for the activation of integrin-mediated responses. In addition to mediating cell adhesion and cytoskeletal organization, integrins function as signaling receptors. Signals transduced by integrins play a role in many biological processes, including cell growth, differentiation, migration and apoptosis. Integrin α2 is responsible for adhesion of platelets and other cells to collagens. Modulation of collagen and collagenase gene expression force generation and organization of newly synthesized extracellular matrix.
Keywords	BR;CD 49b;CD49 antigen like family member B;CD49 antigen-like family member B;CD49b;CD49b antigen;Collagen receptor;DX5;Glycoprotein Ia deficiency included;GP Ia;GP Ia deficiency, included;GPIa;HPA 5 included;HPA5 included;Human platelet alloantigen system 5;Integrin alpha 2;Integrin alpha-2;Integrin, alpha 2 (CD49B alpha 2 subunit of VLA 2 receptor);ITA2_HUMAN;ITGA2;Platelet alloantigen Br(a), included;Platelet antigen Br;Platelet glycoprotein GPIa;Platelet glycoprotein Ia;Platelet glycoprotein Ia/IIa;Platelet membrane glycoprotein Ia;Platelet receptor for collagen, deficiency of, included;Very late activation protein 2 receptor alpha 2 subunit;VLA 2 alpha chain;VLA 2;VLA 2 subunit alpha;VLA-2 subunit alpha;VLA2;VLA2 receptor alpha 2 subunit;VLAA2 antibody

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