

**ITGA2 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP9051b**

**Specification**

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**ITGA2 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P17301</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	129296
Antigen Region	1023-1049

**ITGA2 Antibody (C-term) - Additional Information**

**Gene ID** 3673

**Other Names**

Integrin alpha-2, CD49 antigen-like family member B, Collagen receptor, Platelet membrane glycoprotein Ia, GPIa, VLA-2 subunit alpha, CD49b, ITGA2, CD49B

**Target/Specificity**

This ITGA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1023-1049 amino acids from the C-terminal region of human ITGA2.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ITGA2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ITGA2 Antibody (C-term) - Protein Information**

**Name** ITGA2

**Synonyms** CD49B

**Function** Integrin alpha-2/beta-1 is a receptor for laminin, collagen, collagen C-propeptides, fibronectin and E-cadherin. It recognizes the proline-hydroxylated sequence G-F-P-G-E-R in collagen. It 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. (Microbial infection) Integrin ITGA2:ITGB1 acts as a receptor for Human echoviruses 1 and 8.

**Cellular Location**

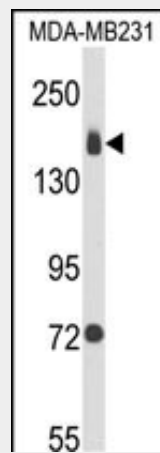
Membrane; Single-pass type I membrane protein.

**ITGA2 Antibody (C-term) - Protocols**

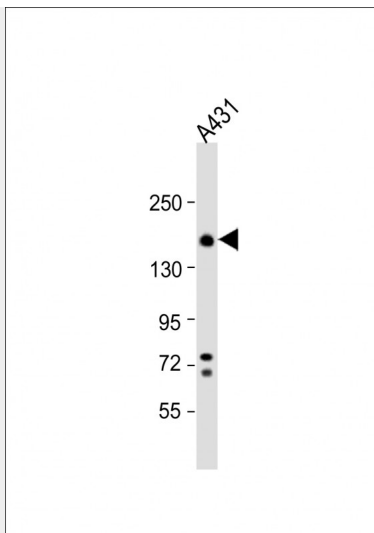
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**ITGA2 Antibody (C-term) - Images**



Western blot analysis of ITGA2 Antibody (C-term) (Cat. #AP9051b) in MDA-MB231 cell line lysates (35ug/lane). ITGA2 (arrow) was detected using the purified Pab.



Anti-ITGA2 Antibody (C-term) at 1:1000 dilution + A431 whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 129 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

#### **ITGA2 Antibody (C-term) - Background**

ITGA2 is a protein that 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.

#### **ITGA2 Antibody (C-term) - References**

Ye, F., Hu, G., et al., J. Cell Biol. 188 (1), 157-173 (2010)  
Jokinen, J., et al., EMBO J. 29 (1), 196-208 (2010)