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ITGA2 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP9051b

Specification

ITGA2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P17301

ITGA2 Antibody (C-term) Blocking Peptide - 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
The synthetic peptide sequence used to generate the antibody AP9051b was selected from the C-term region of human ITGA2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ITGA2 Antibody (C-term) Blocking Peptide - 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.

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ITGA2 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

ITGA2 Antibody (C-term) Blocking Peptide - Images

ITGA2 Antibody (C-term) Blocking Peptide - Background

ITGA2 id 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) Blocking Peptide - 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)