

**ITGA2 / CD49b Antibody (Extracellular Domain)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS11108**

**Specification**

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**ITGA2 / CD49b Antibody (Extracellular Domain) - Product Information**

Application	IHC
Primary Accession	<a href="#">P17301</a>
Reactivity	Human, Monkey, Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	129kDa KDa

**ITGA2 / CD49b Antibody (Extracellular Domain) - 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**

Human ITGA2 / CD49b. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

**Reconstitution & Storage**

Long term: -70°C; Short term: +4°C

**Precautions**

ITGA2 / CD49b Antibody (Extracellular Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

**ITGA2 / CD49b Antibody (Extracellular Domain) - 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**

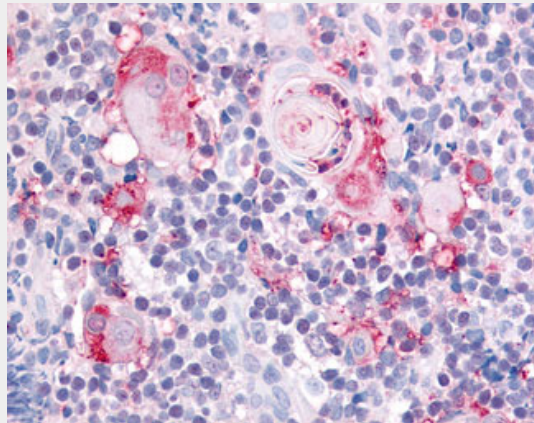
Membrane; Single-pass type I membrane protein.

## ITGA2 / CD49b Antibody (Extracellular Domain) - 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 / CD49b Antibody (Extracellular Domain) - Images



Anti-ITGA2 / CD49b antibody ALS11108 IHC of human thymus, medulla.

## ITGA2 / CD49b Antibody (Extracellular Domain) - Background

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## ITGA2 / CD49b Antibody (Extracellular Domain) - References

- Takada Y., et al. *J. Cell Biol.* 109:397-407(1989).  
Schmutz J., et al. *Nature* 431:268-274(2004).  
Zutter M.M., et al. *J. Biol. Chem.* 269:463-469(1994).  
Bergelson J.M., et al. *J. Virol.* 67:6847-6852(1993).  
Graham K.L., et al. *J. Virol.* 77:9969-9978(2003).