

**Anti-CD49c Antibody**  
**Rabbit polyclonal antibody to CD49c**  
**Catalog # AP59593****Specification**

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**Anti-CD49c Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P26006</a>
Other Accession	<a href="#">Q62470</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>116612</b>

**Anti-CD49c Antibody - Additional Information****Gene ID** 3675**Other Names**

MSK18; Integrin alpha-3; CD49 antigen-like family member C; FRP-2; Galactoprotein B3; GAPB3; VLA-3 subunit alpha; CD49c

**Target/Specificity**

Recognizes endogenous levels of CD49c protein.

**Dilution**

WB~~WB (1/500 - 1/1000)

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-CD49c Antibody - Protein Information****Name** ITGA3**Synonyms** MSK18**Function**

Integrin alpha-3/beta-1 is a receptor for fibronectin, laminin, collagen, epiligrin, thrombospondin and CSPG4. Integrin alpha- 3/beta-1 provides a docking site for FAP (seprase) at invadopodia plasma membranes in a collagen-dependent manner and hence may participate in the adhesion, formation of invadopodia and matrix degradation processes, promoting cell invasion. Alpha-3/beta-1 may mediate with LGALS3 the stimulation by CSPG4 of endothelial cells migration.

### Cellular Location

Cell membrane; Single-pass type I membrane protein. Cell membrane; Lipid- anchor. Cell projection, invadopodium membrane; Single-pass type I membrane protein. Cell projection, filopodium membrane; Single-pass type I membrane protein. Note=Enriched preferentially at invadopodia, cell membrane protrusions that correspond to sites of cell invasion, in a collagen-dependent manner.

### Tissue Location

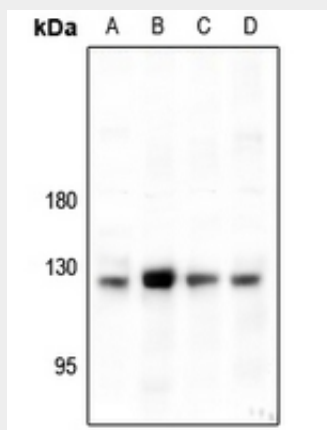
Isoform 1 is widely expressed. Isoform 2 is expressed in brain and heart. In brain, both isoforms are exclusively expressed on vascular smooth muscle cells, whereas in heart isoform 1 is strongly expressed on vascular smooth muscle cells, isoform 2 is detected only on endothelial vein cells.

### Anti-CD49c Antibody - 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](#)

### Anti-CD49c Antibody - Images



Western blot analysis of CD49c expression in HepG2 (A), AML12 (B), PC12 (C), A549 (D) whole cell lysates.

### Anti-CD49c Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD49c. The exact sequence is proprietary.