

ITGA3 / CD49c Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS10937**Specification**

ITGA3 / CD49c Antibody (N-Terminus) - Product Information

Application	IHC
Primary Accession	P26006
Reactivity	Human, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	117kDa KDa

ITGA3 / CD49c Antibody (N-Terminus) - Additional Information**Gene ID** 3675**Other Names**

Integrin alpha-3, CD49 antigen-like family member C, FRP-2, Galactoprotein B3, GAPB3, VLA-3 subunit alpha, CD49c, Integrin alpha-3 heavy chain, Integrin alpha-3 light chain, ITGA3, MSK18

Target/Specificity

Human ITGA3 / CD49c. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

ITGA3 / CD49c Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

ITGA3 / CD49c Antibody (N-Terminus) - 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.

Volume

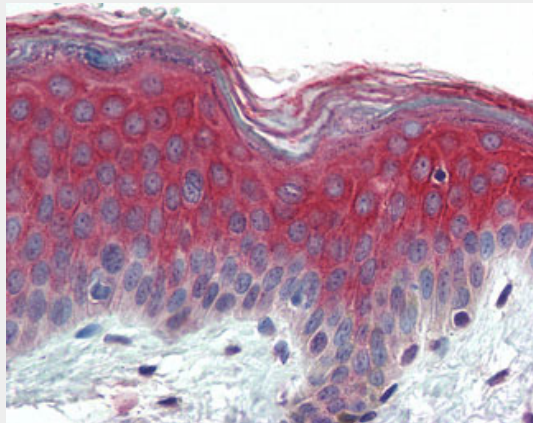
50 μ l

ITGA3 / CD49c Antibody (N-Terminus) - 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](#)

ITGA3 / CD49c Antibody (N-Terminus) - Images



Anti-ITGA3 / CD49c antibody ALS10937 IHC of human skin.

ITGA3 / CD49c Antibody (N-Terminus) - Background

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ITGA3 / CD49c Antibody (N-Terminus) - References

Takada Y.,et al.J. Cell Biol. 115:257-266(1991).
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Zody M.C., et al. Nature 440:1045-1049(2006).

Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Tsuji T., et al. J. Biochem. 109:659-665(1991).