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ITGA3 / CD49c Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS10938

Specification

ITGA3 / CD49c Antibody (Internal) - Product Information

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

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

ITGA3 / CD49c Antibody (Internal) - 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.

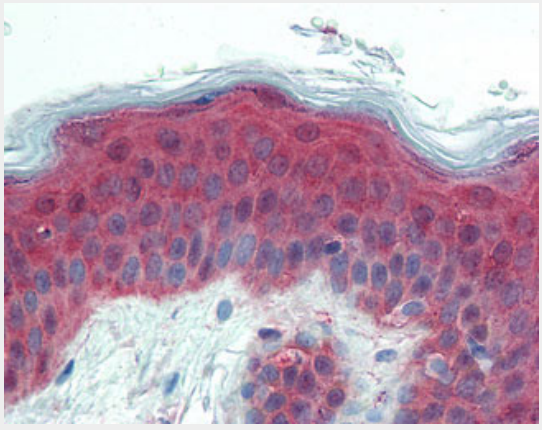
Volume
50 µl

ITGA3 / CD49c Antibody (Internal) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ITGA3 / CD49c Antibody (Internal) - Images



Anti-ITGA3 / CD49c antibody ALS10938 IHC of human skin.

ITGA3 / CD49c Antibody (Internal) - Background

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.

ITGA3 / CD49c Antibody (Internal) - References

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Ota T.,et al.Nat. Genet. 36:40-45(2004).

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