

ITGA3 Blocking Peptide (C-term) Synthetic peptide Catalog # BP21353b

## Specification

# ITGA3 Blocking Peptide (C-term) - Product Information

Primary Accession

P26006

# ITGA3 Blocking Peptide (C-term) - 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

The synthetic peptide sequence is selected from aa 875-889 of HUMAN ITGA3

#### 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.

### **ITGA3 Blocking Peptide (C-term) - 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.

# ITGA3 Blocking Peptide (C-term) - Protocols

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

### <u>Blocking Peptides</u>

## ITGA3 Blocking Peptide (C-term) - Images

# ITGA3 Blocking Peptide (C-term) - Background

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# ITGA3 Blocking Peptide (C-term) - 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).