

**SMOC2 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17464b****Specification**

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**SMOC2 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q9H3U7](#)**SMOC2 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 64094**Other Names**

SPARC-related modular calcium-binding protein 2, Secreted modular calcium-binding protein 2, SMOC-2, Smooth muscle-associated protein 2, SMAP-2, SMOC2, SMAP2

**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.

**SMOC2 Antibody (C-term) Blocking Peptide - Protein Information****Name** SMOC2**Synonyms** SMAP2**Function**

Promotes matrix assembly and cell adhesiveness (By similarity). Can stimulate endothelial cell proliferation, migration, as well as angiogenesis.

**Cellular Location**

Secreted, extracellular space, extracellular matrix, basement membrane

**SMOC2 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**SMOC2 Antibody (C-term) Blocking Peptide - Images**

### **SMOC2 Antibody (C-term) Blocking Peptide - Background**

This gene encodes a member of the SPARC family (secreted protein acidic and rich in cysteine/osteonectin/BM-40), which are highly expressed during embryogenesis and wound healing. The gene product is a matricellular protein which promotes matrix assembly and can stimulate endothelial cell proliferation and migration, as well as angiogenic activity. Associated with pulmonary function, this secretory gene product contains a Kazal domain, two thymoglobulin type-1 domains, and two EF-hand calcium-binding domains. The encoded protein may serve as a target for controlling angiogenesis in tumor growth and myocardial ischemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq].

### **SMOC2 Antibody (C-term) Blocking Peptide - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) ; Birlea, S.A., et al. J. Invest. Dermatol. 130(3):798-803(2010) Wilk, J.B., et al. Am. J. Respir. Crit. Care Med. 175(6):554-560(2007) Rocnik, E.F., et al. J. Biol. Chem. 281(32):22855-22864(2006) Vannahme, C., et al. Biochem. J. 373 (PT 3), 805-814 (2003) :