

**SMOC2 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP17464b**

**Specification**

**SMOC2 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q9H3U7</a>
Other Accession	<a href="#">NP_001159884.1</a> , <a href="#">NP_071421.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	49674
Antigen Region	405-431

**SMOC2 Antibody (C-term) - 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

**Target/Specificity**

This SMOC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 405-431 amino acids from the C-terminal region of human SMOC2.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

SMOC2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**SMOC2 Antibody (C-term) - 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.

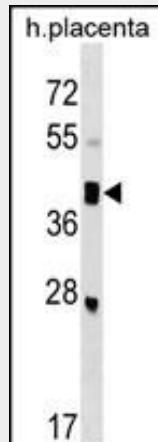
**Cellular Location**

Secreted, extracellular space, extracellular matrix, basement membrane

**SMOC2 Antibody (C-term) - 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](#)

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

SMOC2 Antibody (C-term) (Cat. #AP17464b) western blot analysis in human placenta tissue lysates (35ug/lane). This demonstrates the SMOC2 antibody detected the SMOC2 protein (arrow).

**SMOC2 Antibody (C-term) - 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) - 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)  
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