

**SPARC Antibody (C-term) Blocking Peptide**  
Synthetic peptide  
Catalog # BP6743b**Specification****SPARC Antibody (C-term) Blocking Peptide -  
Product Information**Primary Accession [P09486](#)**SPARC Antibody (C-term) Blocking Peptide -  
Additional Information**

Gene ID 6678

**Other Names**SPARC, Basement-membrane protein 40,  
BM-40, Osteonectin, ON, Secreted protein  
acidic and rich in cysteine, SPARC, ON**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6743b](/products/AP6743b) was selected from the C-term region of human SPARC. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**SPARC Antibody (C-term) Blocking Peptide -  
Protein Information**

Name SPARC

**SPARC Antibody (C-term) Blocking Peptide  
- Background**

Secreted protein acidic and rich in cysteine/osteonectin/BM40, or SPARC, is a matrix-associated protein that elicits changes in cell shape, inhibits cell-cycle progression, and influences the synthesis of extracellular matrix (ECM).

**SPARC Antibody (C-term) Blocking Peptide  
- References**

Said,N., Oncogene 28 (39), 3487-3498  
(2009)Maloney,S.C., Anticancer Res. 29 (8),  
3059-3064 (2009)

**Synonyms ON****Function**

Appears to regulate cell growth through interactions with the extracellular matrix and cytokines. Binds calcium and copper, several types of collagen, albumin, thrombospondin, PDGF and cell membranes. There are two calcium binding sites; an acidic domain that binds 5 to 8 Ca(2+) with a low affinity and an EF-hand loop that binds a Ca(2+) ion with a high affinity.

**Cellular Location**

Secreted, extracellular space, extracellular matrix, basement membrane. Note=In or around the basement membrane

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

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

- [Blocking Peptides](#)