

SPARC Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6743b**Specification**

SPARC Antibody (C-term) Blocking Peptide - Product InformationPrimary 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**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](#)

SPARC Antibody (C-term) Blocking Peptide - Images

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)