

Product datasheet for **AP05261SU-N**

SPARC Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Western blot: (1-5 µg/ml). Immunohistochemistry on Frozen Sections. <i>Positive Control:</i> Mouse heart lysate.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from the Human SPARC protein
Specificity:	This antibody detects SPARC. It may Cross react with SPARCL1.
Formulation:	Phosphate buffered saline with 0.08% Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Ammonium Sulfate Precipitation
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	secreted protein acidic and cysteine rich
Database Link:	Entrez Gene 6678 Human P09486



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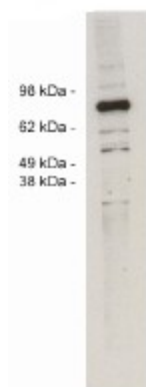
Background:

SPARC is a key factor in cell-matrix interactions and possibly tumour aggressiveness. The SPARC gene, which encodes a multifunctional glycoprotein with roles in tissue development, remodelling and fibrosis. A regulator of cell-extracellular matrix (ECM) interactions, SPARC represents a major factor in the ECM remodelling occurring during tumour invasion. *in silico* analysis reveals 4 UTR-SNPs located in the 3' UTR of the SPARC gene, corresponding to 1474 g a, 1551 g c, 1922 t g and 2072 c t changes, which are significantly associated with tumoral state of the tissue. Of all hits, the 2072 SPARC polymorphism had the best association with cancer.

SPARC therefore is a gene involved in a number of diseases including rheumatoid arthritis, scleroderma, tumor development and metastasis. SPARC variants have been detected in tumour samples of patients with acute myeloblastic leukemia (AML).

Synonyms:

ON, Basement-membrane protein 40, BM-40

Product images:

Detection of endogenous SPARC in mouse heart lysate using (5 ug/ml) and anti-rabbit HRP (1:75k) and using Pierce's Super Signal West Femto.