

# anti-human SPARC antibody

**Secreted Protein Acidic and Rich in Cysteine - Immunoaffinity purified  
Rabbit polyclonal antibody**

## Product Data Sheet

### Ordering Information

<b>Catalog # -</b>	B1867P
<b>Size -</b>	50 microgram
<b>Form -</b>	Affinity-purified
<b>Host/Clone -</b>	Rabbit
<b>Formulation -</b>	Phosphate buffered saline with 0.08% sodium azide
<b>Concentration -</b>	Lot-specific
<b>Isotype -</b>	IgG
<b>Application -</b>	Western Blot, IHC, ELISA

### 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, is 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.

### IMMUNOGEN

Synthetic peptide derived from human SPARC protein sequence.

### SHIP CONDITIONS

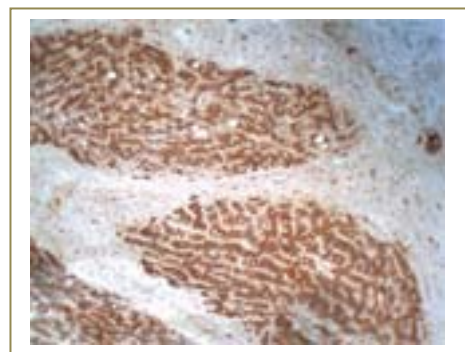
Ship on dry ice, freeze upon arrival.

### STORAGE

Product should be stored at -70°C. Aliquot to avoid freeze/thaw cycles.

### STABILITY

Products are stable for one (1) year from purchase when stored properly.



### Legend:

Detection of endogenous SPARC in human hepatocellular carcinoma (HCC). 2 ug/ml B1867P, developed with Vector ImmPress anti-rabbit HRP and DAB substrate.

### References:

1. Shi Q, et al. "Targeting SPARC expression decreases glioma cellular survival and invasion associated with reduced activities of FAK and ILK kinases." *Oncogene*. 2007 Jan 8; PMID: 17213807
2. Aouacheria A, et al. "In silico whole-genome screening for cancer-related single-nucleotide polymorphisms located in human mRNA untranslated regions." *BMC Genomics*. 2007 Jan 3;8(1):2; PMID: 17201911

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