

Datasheet for ABIN3032523  
**anti-SPARC antibody (AA 284-303)**

## 5 Images

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## Overview

Quantity:	100 µg
Target:	SPARC
Binding Specificity:	AA 284-303
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPARC antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Amino acids 284-303 (DEWAGCFGIKQKDIDKDLVI-human) were used as the immunogen for this SPARC antibody.
Isotype:	IgG
Purification:	Antigen affinity

## Target Details

Target:	SPARC
Alternative Name:	SPARC ( <a href="#">SPARC Products</a> )
Background:	Secreted protein acidic and rich in cysteine, also known as Osteonectin, is a protein that in humans is encoded by the SPARC gene. The human gene is 26.5 kb long, and contains 10 exons and 9 introns and is located on chromosome 5q31-q33. SPARC is an acidic, cysteine-rich

## Target Details

glycoprotein consisting of a single polypeptide chain that can be broken into 4 domains: 1) an Ca++ binding domains near the glutamic acidic-rich region at the amino terminus(domain I), 2) a cysteine- rich(domain II), 3) a hydrophilic region(domain III) and 4) an EF hand motif at the carboxy terminus region(domain IV). SPARC is a glycoprotein in the bone that binds sodium. It is secreted by osteoblasts during bone formation, initiating mineralization and promoting mineral crystal formation. It also shows affinity for collagen in addition to bone mineral calcium. A correlation between SPARC over expression and ampullary cancers and chronic pancreatitis has been found.

UniProt: [P09486](#)

Pathways: [Autophagy](#)

## Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the SPARC antibody may be required due to differences in protocols and secondary/substrate sensitivity.\.  
Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL

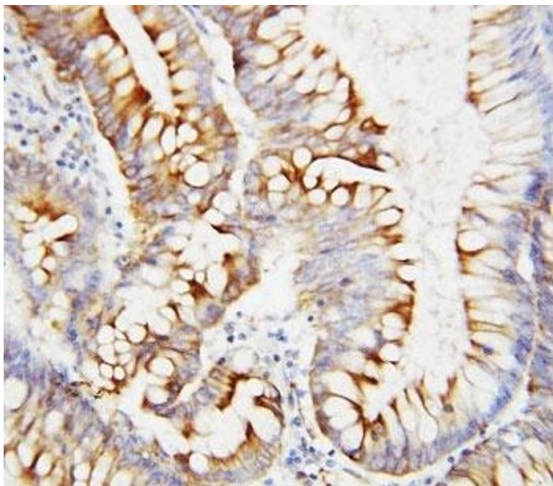
Restrictions: For Research Use only

## Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

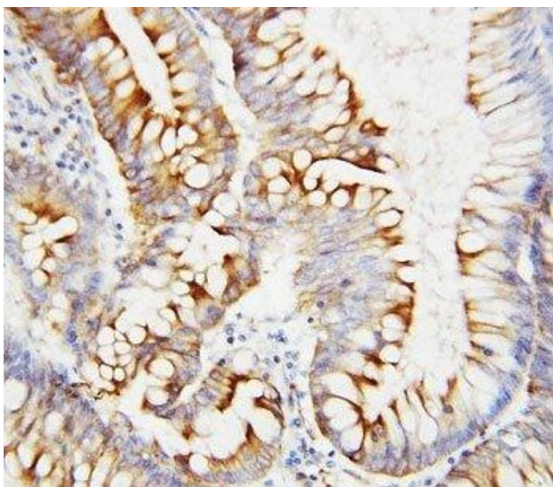
Storage: -20 °C

Storage Comment: After reconstitution, the SPARC antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



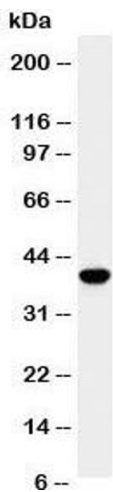
#### Immunohistochemistry

**Image 1.** IHC-P: SPARC antibody testing of human intestinal cancer tissue



#### Immunohistochemistry

**Image 2.** IHC-P: SPARC antibody testing of human intestinal cancer tissue



#### Western Blotting

**Image 3.** Western blot testing of SPARC antibody and HeLa cell lysate. The glycoprotein is routinely visualized from 35~43KD.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3032523.