

Datasheet: VPA00564

**BATCH NUMBER 160712**

<b>Description:</b>	RABBIT ANTI SPARC
<b>Specificity:</b>	SPARC
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	100 µl

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	■			1/1000

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid.
<b>Preparation</b>	Rabbit polyclonal antibody purified by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline.
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 2% Sucrose.
<b>Immunogen</b>	Synthetic peptide directed towards the C terminal region of human SPARC
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P09486</a> <a href="#">Related reagents</a>

**Entrez Gene:**[6678](#) [SPARC](#) [Related reagents](#)

<b>Synonyms</b>	ON
<b>Specificity</b>	<p><b>Rabbit anti Human SPARC antibody</b> recognizes SPARC, also known as BM-40, basement-membrane protein 40, osteonectin or secreted protein acidic and rich in cysteine.</p> <p>The SPARC gene encodes a cysteine-rich acidic matrix-associated protein. The encoded protein is required for the collagen in bone to become calcified but is also involved in extracellular matrix synthesis and promotion of changes to cell shape. The gene product has been associated with tumor suppression but has also been correlated with metastasis based on changes to cell shape which can promote tumor cell invasion (provided by RefSeq, Dec 2011). Mutation of the SPARC gene causes presentation of Osteogenesis imperfecta 17 (<a href="#">OI17</a>), an autosomal recessive form of osteogenesis imperfecta, a connective tissue disorder characterized by low bone mass, bone fragility and susceptibility to fractures after minimal trauma (<a href="#">Mendoza-Londono et al. 2015</a>).</p> <p>Rabbit anti Human SPARC antibody detects a band of 35 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
<b>Western Blotting</b>	Anti SPARC detects a band of approximately 35 kDa in HEK293 cell lysates.
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10045 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VPA00564">https://www.bio-rad-antibodies.com/SDS/VPA00564</a> Antibody (10045)
<b>Regulatory</b>	For research purposes only.

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)**North & South** Tel: +1 800 265 7376**America** Fax: +1 919 878 3751Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)**Worldwide**

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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