

Datasheet: VPA00564

Description:	RABBIT ANTI SPARC
Specificity:	SPARC
Format:	Purified
Product Type:	PrecisionAb™ Polyclonal
Isotype:	Polyclonal IgG
Quantity:	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.

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

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Rabbit polyclonal antibody purified by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	2% Sucrose
Immunogen	Synthetic peptide directed towards the C terminal region of human SPARC
External Database Links	<p>UniProt: P09486 Related reagents</p> <p>Entrez Gene: 6678 SPARC Related reagents</p>
Synonyms	ON
Specificity	Rabbit anti Human SPARC antibody recognizes SPARC, also known as BM-40, basement-membrane protein 40, osteonectin or secreted protein acidic and rich in cysteine.

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 ([OI17](#)), 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 ([Mendoza-Londono et al. 2015](#)).

Rabbit anti Human SPARC antibody detects a band of 35 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting	Anti SPARC detects a band of approximately 35 kDa in HEK293 cell lysates
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Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
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Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
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Shelf Life	As supplied, 12 months from date of despatch
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Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories
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Health And Safety Information	Material Safety Datasheet documentation #10045 available at: Antibody (10045): https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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'M294824:161101'

Printed on 01 May 2018

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