

Datasheet: VPA00251KT

Description:	SAFB ANTIBODY WITH CONTROL LYSATE
Specificity:	SAFB
Format:	Purified
Product Type:	PrecisionAb™ Polyclonal
Isotype:	Polyclonal IgG
Quantity:	2 Westerns

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	20µl Rabbit polyclonal antibody purified by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	KLH conjugated synthetic peptide between 65-94 amino acids from the N-terminal region of human SAFB
External Database Links	<p>UniProt: Q15424 Related reagents</p> <p>Entrez Gene: 6294 SAFB Related reagents</p>
Synonyms	HAP, HET, SAFB1

Specificity **Rabbit anti Human SAFB antibody** recognizes the scaffold attachment factor B1, also known as HSP27 ERE-TATA-binding protein, HSP27 estrogen response element-TATA box-binding protein,

SAB-B1 and SAF-B.

Encoded by the SAFB gene, scaffold attachment factor B1 encodes a DNA-binding protein which has high specificity for scaffold or matrix attachment region DNA elements (S/MAR DNA). This protein is thought to be involved in attaching the base of chromatin loops to the nuclear matrix but there is conflicting evidence as to whether this protein is a component of chromatin or a nuclear matrix protein. Scaffold attachment factors are a specific subset of nuclear matrix proteins (NMP) that specifically bind to S/MAR. Scaffold attachment factor B1 is thought to serve as a molecular base to assemble a 'transcriptosome complex' in the vicinity of actively transcribed genes. It is involved in the regulation of heat shock protein 27 transcription, can act as an estrogen receptor co-repressor and is a candidate for breast tumorigenesis. SAFB is arranged head-to-head with a similar gene whose product has the same functions. Multiple transcript variants encoding different isoforms have been found for SAFB (provided by RefSeq, Jan 2011).

Rabbit anti Human SAFB antibody detects a band of 150 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting	Anti SAFB detects a band of approximately 150 kDa in Jurkat cell lysates
-------------------------	--

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.
-----------------------------	---

Lysate Composition	400µg Jurkat lysate lyophilized in RIPA buffer.
---------------------------	---

Lysate Reconstitution	<ul style="list-style-type: none">- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME. Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.
------------------------------	---

Storage	Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles. Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.
----------------	---

Shelf Life	As supplied, 12 months from date of despatch.
-------------------	---

Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
-------------------------	--

Health And Safety Information	Material Safety Datasheet documentation #10040 #10561 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf Lysate Material (10561): https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf
--------------------------------------	--

Regulatory	For research purposes only
-------------------	----------------------------

Related Products

Recommended Secondary Antibodies

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

'M285325:160321'

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

Printed on 30 Apr 2018

© 2018 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)