

Datasheet: AHP3104

Description:	RABBIT ANTI HUMAN SMYD3
Specificity:	SMYD3
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 ml

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	▪			1/500 - 1/1000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to human SMYD3 was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative	0.035% Sodium Azide (NaN ₃)
Stabilisers	30% Glycerol
Carrier Free	Yes
Immunogen	A peptide within human SMYD3

External Database Links

UniProt:

[Q9H7B4](#)

[Related reagents](#)

Entrez Gene:

[64754](#) SMYD3 [Related reagents](#)

Synonyms ZMYND1, ZNFN3A1

Specificity **Rabbit anti Human SMYD3 antibody** recognizes SET (suppressor of variegation, enhancer of zeste, trithorax) and MYND (myeloid-nervy-DEAF-1) domain-containing protein 3.

SMYD3 is a lysine methyltransferase that specifically methylates H3K4 and H4K5. As part of an RNA polymerase complex, SMYD3 is involved in transcriptional regulation. SMYD3 has also been shown to play a role in the regulation of some cancers ([Van Aller *et al.* 2012](#)) ([Liu *et al.* 2015](#)).

Storage This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10049 available at: <https://www.bio-rad-antibodies.com/SDS/AHP3104>
10049

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

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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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