

## Datasheet: AHP3039

<b>Description:</b>	RABBIT ANTI HUMAN EHMT1
<b>Specificity:</b>	EHMT1
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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 µg/ml - 2 µg/ml

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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antiserum to human EHMT1 was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography on Protein A.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.035% Sodium Azide (NaN <sub>3</sub> ) 30% Glycerol
<b>Carrier Free</b>	Yes
<b>Immunogen</b>	A peptide derived from the N-terminal region of human EHMT1

### External Database Links

#### UniProt:

[Q9H9B1](#)

[Related reagents](#)

**Entrez Gene:**[79813](#) EHMT1 [Related reagents](#)

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**Synonyms** EUHMTASE1, GLP, KIAA1876, KMT1D

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**Specificity** **Rabbit anti Human EHMT1 antibody** recognizes euchromatic histone-lysine N-methyltransferase 1, also known as G9a-like protein (GLP).

EHMT1 shares an evolutionary conserved SET domain with G9A, a histone methyltransferase enzyme ([Shinkai and Tachibana, 2011](#)). EHMT1 and G9A function exclusively as a heteromeric complex ([Tachibana et al. 2005](#)). G9A and EHMT1 also share a region containing ankryin repeats, involved in protein-protein interactions. The G9A/EHMT1 complex is able to methylate a wide range of non-histone proteins including transcription factors such as p53. As a result of their non-histone protein methyltransferase activity, both G9A and EHMT1 play a role in a wide range of cellular processes including cellular response to environmental stimuli, the establishment and maintenance of cell identity, and cell cycle regulation ([Ling et al. 2012](#)).

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**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.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10049 available at: <https://www.bio-rad-antibodies.com/SDS/AHP3039>  
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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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