

Datasheet: AHP3039

BATCH NUMBER 160835

Description:	RABBIT ANTI HUMAN EHMT1
Specificity:	EHMT1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified IgG - liquid
Antiserum Preparation	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.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.035% Sodium Azide (NaN ₃) 30% Glycerol
Carrier Free	Yes
Immunogen	A peptide derived from the N-terminal region of human EHMT1
External Database Links	UniProt:

Entrez Gene:

[79813](#) EHMT1 [Related reagents](#)

Synonyms EUHMTASE1, GLP, KIAA1876, KMT1D

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](#)).

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/AHP3039>
10049

Regulatory For research purposes only

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](#)

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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
'M394870:220218'

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