

Datasheet: VPA00222KT

Description:	EHMT2 ANTIBODY WITH CONTROL LYSATE
Specificity:	EHMT2
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

Species Cross Reactivity

Reacts with: Mouse

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

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 (NaN₃)

Immunogen

KLH conjugated synthetic peptide between 361-395 amino acids from the central region of

External Database

Links

UniProt:

[Q96KQ7](#)

[Related reagents](#)

Entrez Gene:

[10919](#)

EHMT2

[Related reagents](#)

Synonyms

BAT8, C6orf30, G9A, KMT1C, NG36

Specificity

Rabbit anti Human EHMT2 antibody recognizes the histone-lysine N-methyltransferase EHMT2, also known as G9A histone methyltransferase, H3-K9-HMTase 3, HLA-B associated transcript 8, ankyrin repeat-containing protein, histone H3-K9 methyltransferase 3, H3 lysine-9 specific 3 and lysine N-methyltransferase 1C.

A cluster of genes, BAT1-BAT5, has been localized in the vicinity of the genes for TNF alpha and TNF beta. EHMT2 is found near this cluster; it was mapped near the gene for C2 within a 120-kb region that included a HSP70 gene pair. These genes are all within the human major histocompatibility complex class III region. EHMT2 was thought to be two different genes, NG36 and G9a, adjacent to each other but a recent publication shows that there is only a single gene. Encoded by the EHMT2 gene, histone-lysine N-methyltransferase EHMT2 is thought to be involved in intracellular protein-protein interaction. There are three alternatively spliced transcript variants of EHMT2 but only two are fully described (provided by RefSeq, Jul 2008).

Rabbit anti Human EHMT2 antibody detects a band of 165 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti EHMT2 detects a band of approximately 165 kDa in HEK293 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 HEK293 lysate lyophilized in RIPA buffer.

Lysate Reconstitution

- 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.

Guarantee 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](#)

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