

Rabbit EHMT2 Polyclonal Antibody | anti-EHMT2 antibody

EHMT2 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197382	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot, Chromatin Immunoprecipitation, Immunoprecipitation

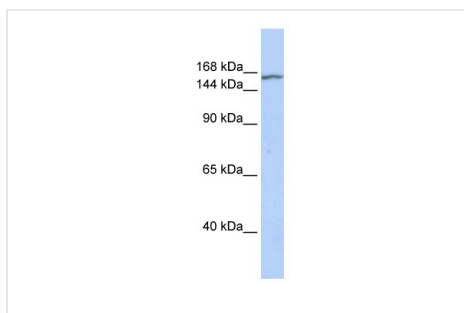
PRODUCT SYNONYMS

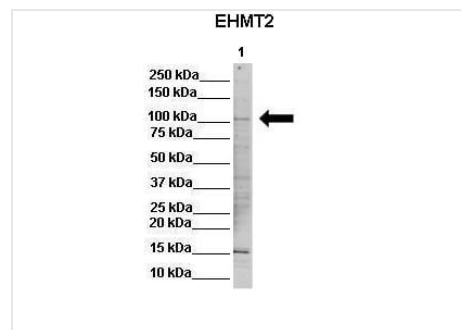
EHMT2; Polyclonal Antibody; EHMT2 antibody - N-terminal region; anti-EHMT2 antibody

PRODUCT SPECIFICATIONS

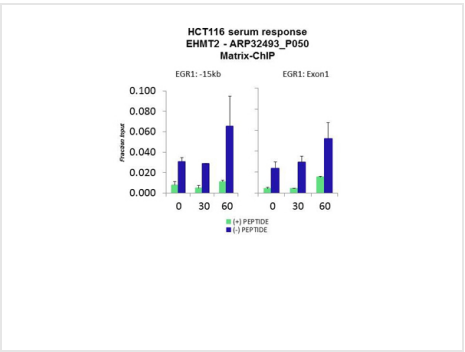
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: VQ SLAMRLLSMP GAQGAAAAGS EPPPATTSPGQPKVHRARK TMSKPGNG
Sequence Length	1210
Applicable Applications for anti-EHMT2 antibody	WB (Western Blot), ChIP (Chromatin immunoprecipitation)
Homology	Cow: 92%; Dog: 86%; Guinea Pig: 93%; Horse: 77%; Human: 100%; Mouse: 79%; Rabbit: 100%; Rat: 86%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human EHMT2
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-EHMT2 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:31250
Positive Control: Human Muscle

WB (Western Blot)

WB Suggested Anti-EHMT2 Antibody
Positive Control: Lane 1: 30ug human RKO lysate
Primary Antibody Dilution : 1:1000
Secondary Antibody : Goat anti-rabbit-Alexa Fluor 680
Secondary Antibody Dilution : 1:5000
Submitted by: Dr. Syed Morshed



ChIP (Chromatin Immunoprecipitation)
Quiescent human colon carcinoma HCT116 cultures were treated with 10% FBS for three time points (0, 15, 30min) or (0, 30, 60min) were used in Matrix-ChIP and real-time PCR assays at EGR1 gene (Exon1) and 15kb upstream site.

ADDITIONAL INFORMATION

Related Product Information for anti-EHMT2 antibody	This is a rabbit polyclonal antibody against EHMT2. It was validated on Western Blot using a cell lysate as a positive control. Target Description: A cluster of genes, BAT1-BAT5, has been localized in the vicinity of the genes for TNF alpha and TNF beta. This gene 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. This gene 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. The protein encoded by this gene is thought to be involved in intracellular protein-protein interaction.A cluster of genes, BAT1-BAT5, has been localized in the vicinity of the genes for TNF alpha and TNF beta. This gene 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. This gene 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. The protein encoded by this gene is thought to be involved in intracellular protein-protein interaction. There are three alternatively spliced transcript variants of this gene but only two are fully described.
Product Categories/Family for anti-EHMT2 antibody	Polyclonal; Transcription Regulation; Methylation; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	156142197
NCBI GeneID	10919
NCBI Accession #	NP_006700
NCBI GenBank Nucleotide #	NM_006709
UniProt Accession #	Q96KQ7
Molecular Weight	132kDa
NCBI Official Full Name	histone-lysine N-methyltransferase EHMT2 isoform a
NCBI Official Synonym Full Names	euchromatic histone lysine methyltransferase 2
NCBI Official Symbol	EHMT2
NCBI Official Synonym Symbols	G9A; BAT8; GAT8; NG36; KMT1C; C6orf30
NCBI Protein Information	histone-lysine N-methyltransferase EHMT2
UniProt Protein Name	Histone-lysine N-methyltransferase EHMT2
UniProt Gene Name	EHMT2

UniProt Synonym Gene Names	BAT8; C6orf30; G9A; KMT1C; NG36; H3-K9-HMTase 3
UniProt Entry Name	EHMT2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ehmt2-antibody-western-blot-chromatin-immunoprecipitation-elisa/197382>