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anti-EHMT2 antibody (N-Term)

2 Images



Publication



Go to Product page

Overview	
Quantity:	100 μL
Target:	EHMT2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Dog, Cow, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EHMT2 antibody is un-conjugated
Application:	Western Blotting (WB), Chromatin Immunoprecipitation (ChIP)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human EHMT2
Sequence:	VQSLAMRLLS MPGAQGAAAA GSEPPPATTS PEGQPKVHRA RKTMSKPGNG
Predicted Reactivity:	Cow: 92%, Dog: 86%, Guinea Pig: 93%, Horse: 77%, Human: 100%, Mouse: 79%, Rabbit: 100%, Rat: 86%
Characteristics:	This is a rabbit polyclonal antibody against EHMT2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	
Target:	EHMT2

Target Details

Alternative Name:	EHMT2 (EHMT2 Products)
Background:	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.
	Alias Symbols: BAT8, C6orf30, DKFZp686H08213, FLJ35547, G9A, KMT1C, NG36, NG36/G9a,
	GAT8
	Protein Interaction Partner: PLOD3, NAA10, PSMA1, MX2, ITGB5, RD3, ZBTB38, ZNF785,
	NAPRT, FAM161A, KLF3, CHCHD2, C10orf12, DNMT1, PML, HIST2H3A, HIST1H1A, PRDM1,
	XAGE2, EED, RNF2, CTNNA3, SOX2, HDAC1, CBX5, CBX3, CBX1, REST, EHMT1, WIZ, MIER1,
	EHMT2, CDYL, UBC, HDAC2, HIST2H3C, CUX1,
	Protein Size: 1210
Molecular Weight:	132 kDa
Gene ID:	10919
NCBI Accession:	NM_006709, NP_006700
UniProt:	Q96KQ7
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 1210 AA
Restrictions:	For Research Use only
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Handling

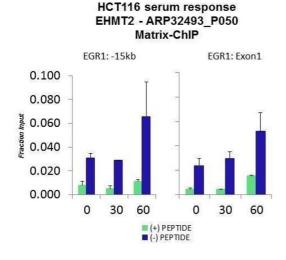
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:

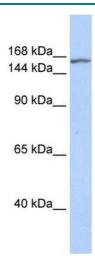
Huang, Ma, Li, Yu, Zhang, Wei, Jin, Xu, Gao, Huang: "NF-κB1 inhibits c-Myc protein degradation through suppression of FBW7 expression." in: **Oncotarget**, Vol. 5, Issue 2, pp. 493-505, (2014) (PubMed).

Images



Chromatin Immunoprecipitation

Image 1. 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.



Western Blotting

Image 2. WB Suggested Anti-EHMT2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Muscle