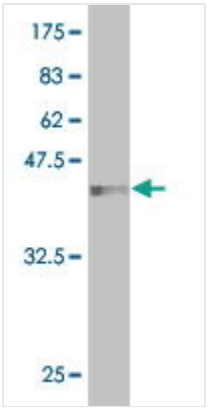
HEMK2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	HEMK2, Monoclonal Antibody
Full Product Name	HEMK2 (HemK Methyltransferase Family Member 2, M.HsaHemK2P, N(6)-adenine-specific DNA Methyltransferase 1, N6AMT1, C21orf127, PRED28) (AP)
Product Gene Name	anti-HEMK2 antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1C4
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human HEMK2.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	20kDa
3D Structure	ModBase 3D Structure for Q96F73
Immunogen	Partial recombinant corresponding to aa87-187 from human HEMK2 (NP_877426) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	LETARCNKVHIQPVITDLVGSHGIEAAWAGGRNGREVMDRFFPLVPDLLSPRGLFYLVTIKENNPEEILKIMKTKGLQGTTALSRQAGQETLSVLKFTKS*
Conjugate	AP
Product Categories/Family for anti-HEMK2 antibody	Antibodies; Enzymes; Methyltransferase
Applications Tested/Suitable for anti-HEMK2 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-HEMK2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-HEMK2 antibody	The protein encoded by this gene belongs to the methyltransferase superfamily. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified.

Other Notes	Small volumes of anti-HEMK2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for HEMK2 purchase	MBS6131647 is an antibody targeting HEMK2. Also known as HEMK2 (HemK Methyltransferase Family Member 2, M.HsaHemK2P, N(6)-adenine-specific DNA Methyltransferase 1, N6AMT1, C21orf127, PRED28) (AP). Reactive in Human. Host: Mouse.



Western Blot (WB) of anti-HEMK2 antibody
Western Blot detection against Immunogen (37.11kD).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HEMK2. It may not necessarily be applicable to this product.

NCBI GI #	669174632
NCBI GeneID	29104
NCBI Accession #	NP_877426
UniProt Primary Accession #	Q96F73
UniProt Related Accession #	Q9Y5N5
GenBank Nucleotide #	NM_182749
NCBI Official Full Name	methyltransferase N6AMT1 isoform 2
NCBI Official Synonym Full Names	N-6 adenine-specific DNA methyltransferase 1
NCBI Official Symbol	N6AMT1
NCBI Official Synonym Symbols	MTQ2; HEMK2; N6AMT; PRED28; C21orf127; m.HsaHemK2P
NCBI Protein Information	methyltransferase N6AMT1
NCBI Summary for HEMK2	This gene encodes an N(6)-adenine-specific DNA methyltransferase. The encoded enzyme may be involved in the methylation of release factor I during translation termination. This enzyme is also involved in converting the arsenic metabolite monomethylarsonous acid to the less toxic dimethylarsonic acid. Alternative splicing pf this gene results in multiple transcript variants. A related pseudogene has been identified on chromosome 11. [provided by RefSeq, Jul 2014]
Research Articles on HEMK2	**1.** combined effect of N6AMT1 haplotype 2_GGCCAT and As3MT haplotype 2_GCAC showed consistence with the additive significance of each haplotype on % iAs: the mean was 5.47% and 9.36% for carriers with both and null haplotypes, respectively
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