HEMK1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HEMK1, Polyclonal Antibody
Full Product Name	HEMK1, CT (HEMK1, HEMK, HemK methyltransferase family member 1, M.HsaHemKP) (MaxLight 490)
Product Gene Name	anti-HEMK1 antibody
Product Synonym Names	HEMK1; HEMK; HemK methyltransferase family member 1; M.HsaHemKP
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. 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. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	38,231 Da
3D Structure	ModBase 3D Structure for Q9Y5R4
Immunogen	HEMK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 311-338 amino acids from the C-terminal region of human HEMK1.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-HEMK1 antibody	Antibodies; Enzymes; Methyltransferase
Applications Tested/Suitable for anti-HEMK1 antibody	Flow Cytometry (FC/FACS), FLISA, Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-HEMK1 antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 IHC: 1:50-100 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-HEMK1 antibody	Probable protein methyltransferase. May methylate a Gln residue in target proteins (By similarity).
Product References and Citations for anti-HEMK1 antibody	Ishizawa, T., et al. Biochem. Biophys. Res. Commun. 373(1):99-103(2008). Bujnicki, J.M., et al. IUBMB Life 48(3):247-249(1999).
Other Notes	Small volumes of anti-HEMK1 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 HEMK1 purchase	MBS6306104 is an antibody targeting HEMK1. Also known as HEMK1, CT (HEMK1, HEMK, HemK methyltransferase family member 1, M.HsaHemKP) (MaxLight 490). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HEMK1. It may not necessarily be applicable to this product.

NCBI GI #	7705409
NCBI GeneID	51409
NCBI Accession #	NP_057257.1
UniProt Primary Accession #	Q9Y5R4
UniProt Related Accession #	Q9Y5R4
GenBank Nucleotide #	NM_016173.3
NCBI Official Full Name	hemK methyltransferase family member 1
NCBI Official Synonym Full Names	HemK methyltransferase family member 1
NCBI Official Symbol	HEMK1
NCBI Official Synonym Symbols	HEMK; MTQ1
UniProt Protein Name	HemK methyltransferase family member 1
UniProt Synonym Protein Names	M.HsaHemKP
Protein Family	HemK methyltransferase family
UniProt Gene Name	HEMK1
UniProt Synonym Gene Names	HEMK
NCBI Protein Information	hemK methyltransferase family member 1; m.HsaHemKP; HEMK homolog 7kb
UniProt Comments for HEMK1	HEMK1: N5-glutamine methyltransferase responsible for the methylation of the GGQ triplet of the mitochondrial translation release factor MTRF1L. Belongs to the protein N5-glutamine methyltransferase family. Protein type: Amino Acid Metabolism - histidine; Amino Acid Metabolism - tyrosine; EC 2.1.1.-; Lipid Metabolism - androgen and estrogen; Methyltransferase; Other Amino Acids Metabolism - selenoamino acid Chromosomal Location of Human Ortholog: 3p21.31 Cellular Component: mitochondrion Molecular Function: protein binding; S-adenosylmethionine-dependent methyltransferase activity
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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