10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HEMK1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11010b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q9Y5R4
Other Accession	NP_057257.1
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB25729
Calculated MW	38231
Antigen Region	311-338

Additional Information

Gene ID	51409
Other Names	HemK methyltransferase family member 1, 211-, MHsaHemKP, HEMK1, HEMK
Target/Specificity	This 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.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	HEMK1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HEMK1
Synonyms	HEMK

Function	N5-glutamine methyltransferase responsible for the methylation of the glutamine residue in the universally conserved GGQ motif of the mitochondrial translation release factors MTRF1, MTRF1L, MRPL58/ICT1 and MTRFR.
Cellular Location	Mitochondrion.

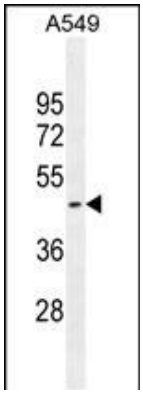
Background

Probable protein methyltransferase. May methylate a Gln residue in target proteins (By similarity).

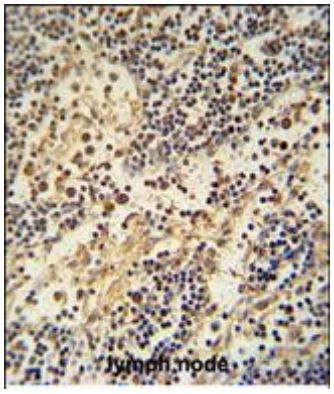
References

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)

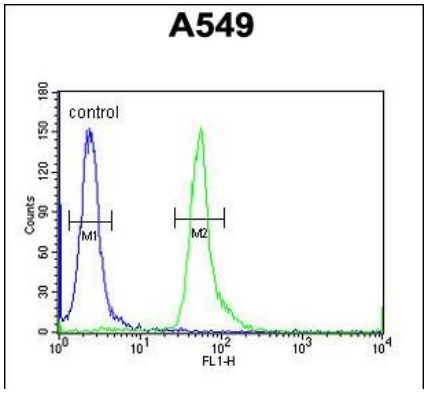
Images



HEMK1 Antibody (C-term) (Cat. #AP11010b) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the HEMK1 antibody detected the HEMK1 protein (arrow).



HEMK1 antibody (C-term) (Cat. #AP11010b) immunohistochemistry analysis in formalin fixed and paraffin embedded human lymph node followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the HEMK1 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



HEMK1 Antibody (C-term) (Cat. #AP11010b) flow cytometric analysis of A549 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.