

HMOF/MYST1 Antibody (C-term) Blocking Peptide Synthetic peptide

Catalog # BP1114b

Specification

HMOF/MYST1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession

Q9H7Z6

HMOF/MYST1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 84148

Other Names

Histone acetyltransferase KAT8, Lysine acetyltransferase 8, MOZ, YBF2/SAS3, SAS2 and TIP60 protein 1, MYST-1, hMOF, KAT8, MOF, MYST1

Target/Specificity

The synthetic peptide sequence used to generate the antibody <ahref=/product/products/AP1114b>AP1114b was selected from the C-term region of human HMOF/MYST1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions This product is for research use only. Not for use in diagnostic or therapeutic procedures.

HMOF/MYST1 Antibody (C-term) Blocking Peptide - Protein Information

Name KAT8

Synonyms MOF, MYST1

Function

Histone acetyltransferase which may be involved in transcriptional activation (PubMed:12397079, PubMed:22020126). May influence the function of ATM (PubMed:15923642). As part of the MSL complex it is involved in acetylation of nucleosomal histone H4 producing specifically H4K16ac (PubMed: 16227571, PubMed:16543150, PubMed:21217699, PubMed:<a



href="http://www.uniprot.org/citations/22547026" target="_blank">22547026, PubMed:22020126). As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues (PubMed:<a href="http://www.uniprot.org/citations/20018852"

target="_blank">20018852, PubMed:22547026). That activity is less specific than the one of the MSL complex (PubMed:20018852, PubMed:20018852, Can also acetylate TP53/p53 at 'Lys-120'.

Cellular Location Nucleus. Chromosome

HMOF/MYST1 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

<u>Blocking Peptides</u>

HMOF/MYST1 Antibody (C-term) Blocking Peptide - Images

HMOF/MYST1 Antibody (C-term) Blocking Peptide - Background

The MYST family of histone acetyltransferases, which includes MYST1, is named for the founding members MOZ (MYST3; MIM 601408), yeast YBF2 and SAS2, and TIP60 (HTATIP; MIM 601409). All members of this family contain a MYST region of about 240 amino acids with a canonical acetyl-CoA-binding site and a C2HC-type zinc finger motif. Most MYST proteins also have a chromodomain involved in protein-protein interactions and targeting transcriptional regulators to chromatin (Neal et al., 2000 [PubMed 10786633]).[supplied by OMIM].

HMOF/MYST1 Antibody (C-term) Blocking Peptide - References

Rea,S.,Oncogene 26 (37), 5385-5394 (2007)Pfister,S.,Int. J. Cancer 122 (6), 1207-1213 (2008)Gupta,A.,Mol. Cell. Biol. 28 (1), 397-409 (2008)