

HMOF/MYST1 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1114b**Specification**

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

Application	WB, IHC-P,E
Primary Accession	Q9H7Z6
Other Accession	Q5XI06 , Q9D1P2
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	52403
Antigen Region	409-439

HMOF/MYST1 Antibody (C-term) - 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

This HMOF/MYST1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 409-439 amino acids from the C-terminal region of human HMOF/MYST1.

Dilution

WB~~1:1000
IHC-P~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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

HMOF/MYST1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HMOF/MYST1 Antibody (C-term) - 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:[22547026](#), PubMed:[22020126](#)). As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues (PubMed:[20018852](#), PubMed:[22547026](#)). That activity is less specific than the one of the MSL complex (PubMed:[20018852](#), PubMed:[22547026](#)). Can also acetylate TP53/p53 at 'Lys-120'.

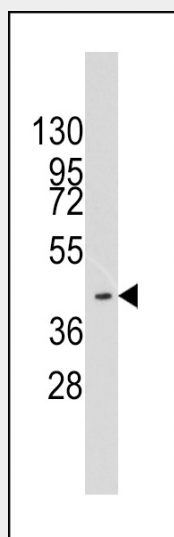
Cellular Location

Nucleus. Chromosome

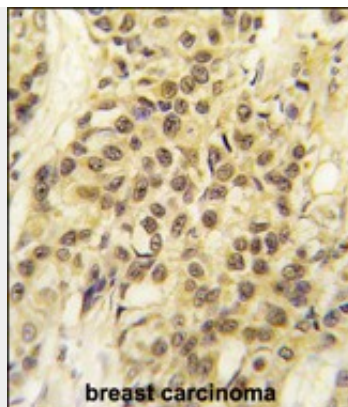
HMOF/MYST1 Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HMOF/MYST1 Antibody (C-term) - Images

Western blot analysis of anti-HMOF/MYST1(C-term) Pab (Cat.#AP1114b) in K562 cell line lysates (35ug/lane). HMOF/MYST1(arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with HMOF/MYST1 antibody (C-term) (Cat.#AP1114b), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

HMOF/MYST1 Antibody (C-term) - 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) - 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)