

Mouse Monoclonal Antibody to MYST1

Order Information

Catalog#	20140	
Size/Concentration	100µl	50µl
Price(¥)	2180	1280

Description

MYST1 (MYST histone acetyltransferase 1, MOF) belongs to the MYST family of histone acetyltransferases, which are employed in the cell to bring about transcriptional regulation. The MYST family includes MYST1, is named for the founding members MOZ, yeast YBF2 and SAS2, and TIP60. 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. Although MOF is expressed in both males and females, it associates with the X chromosome only in males. MOF contains a zinc-finger domain that is used to contact the globular part of the nucleosome and histone H4. The carboxy terminal domain of human MOF also has histone acetyltransferase activity directed against histones H3 and H2A, a characteristic shared with other MYST family histone

Specification

Aliases : MOF; KAT8; hMOF

Entrez GeneID : 84148

Swissprot : Q9H7Z6

clone : 8C4C4

WB Predicted band size : 53kDa

Host/Isotype : Mouse IgG2b

Storage : Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Species Reactivity : Human

Immunogen : Purified recombinant fragment of human MYST1 expressed in E. Coli.

Formulation : Ascitic fluid containing 0.03% sodium azide.

Application

WB	1/500 - 1/2000
IHC	1/200 - 1/1000
ICC	1/200 - 1/1000
ELISA	1/10000

References

1. Sterner, D.E., et al. Microbiol. Mol. Biol 2000 Rev. 64: 435-459.
2. Neal, K.C., et al. Biochim. Biophys. 2000 Acta 1490: 170-174.
3. Akhtar, A., et al. EMBO 2001 Rep. 2: 113-118.

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Protocol

WB - www.promab.com/protocol/wb.html

IHC - www.promab.com/protocol/ihc.html

ICC - www.promab.com/protocol/icc.html

HCM - www.promab.com/protocol/hcm.html

Antigen Sequence is available upon request.

Products and Services

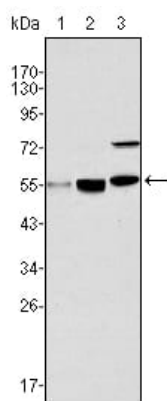
- Mouse Monoclonal Antibody
- Rat Monoclonal Antibody
- Human Antibody
- Hybridoma Sequencing
- Polyclonal Antibody

For Research Only

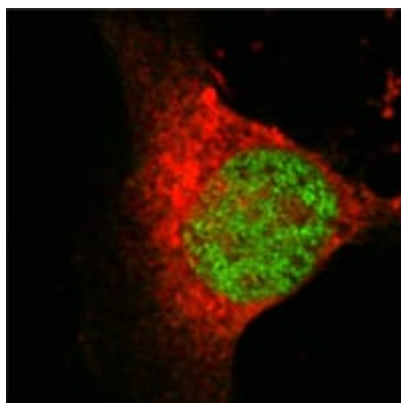
Application Key:WB - Western Blot | IHC - Immunohistochemistry | ICC - Immunocytochemistry | FCM - Flow Cytometry | ELISA - Enzyme-linked Immunosorbent Assay | IP - Immunoprecipitation

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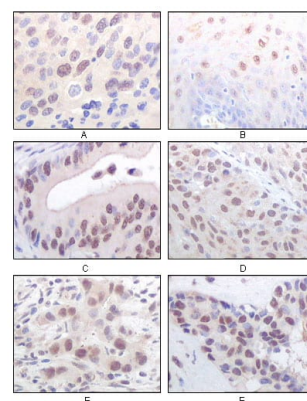
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Western blot analysis using MYST1 mouse mAb against HeLa (1), HepG2 (2) and SMMC-7721 (3) cell lysate.



Confocal Immunofluorescence analysis of Eca 109 cells using MOF/MYST1 mouse mAb (green), showing nuclear localization.



Immunohistochemical analysis of paraffin-embedded human esophageal squamous cell carcinoma (A), normal esophagus epithelium (B), rectum adenocarcinoma (C), lung squamous cell carcinoma (D), breast infiltrating carcinoma (E), and breast infiltrating carcinoma (F) tissues, showing nuclear localization using MOF/MYST1 mouse mAb with DAB staining.

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