

MYST1 monoclonal antibody

Catalog: MB21118

Host: Mouse

Reactivity: Human

BackGround:

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

Product:

Purified antibody in PBS with 0.05% sodium azide.

Molecular Weight:

53kDa

Swiss-Prot:

Q9H7Z6

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 IF:1/200 - 1/1000

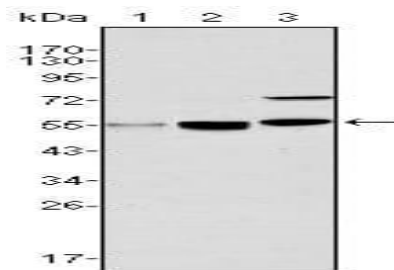
Storage&Stability:

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

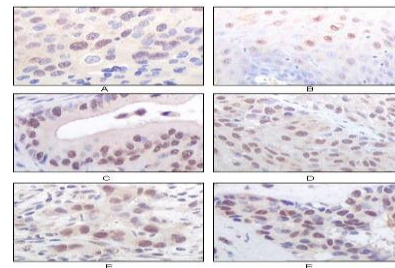
Isotype:

Mouse IgG2b

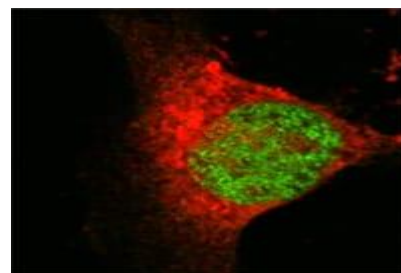
DATA:



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



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.



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

Note:

For research use only, not for use in diagnostic procedure.

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