

For Research Use Only

MOF Recombinant monoclonal antibody

Catalog Number: 86910-3-RR



Basic Information

Catalog Number:

86910-3-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4802

GenBank Accession Number:

BC037773

GeneID (NCBI):

84148

UNIPROT ID:

Q9H7Z6

Full Name:

MYST histone acetyltransferase 1

Calculated MW:

467 aa, 53 kDa

Observed MW:

52 kDa

Purification Method:

Protein A purification

CloneNo.:

251926C5

Recommended Dilutions:

WB: 1:1000-1:6000

IF/ICC: 1:600-1:2400

FC (Intra): 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : A431 cells, HCT 116 cells, OVCAR-3 cells, RAW 264.7 cells, PC-12 cells

IF/ICC : HCT 116 cells,

FC (Intra) : HepG2 cells,

Background Information

MOF, also known as MYST1, KAT8, is a member of the MYST acetyltransferase family, which is homologous to Drosophila males absent on the first (MOF) protein. Deletion of MYST1 in cells leads to genomic instability, spontaneous chromosomal aberration, cell cycle defects, reduced transcription of certain genes and defective DNA damage repair (PMID: 32711345). MYST1 dually localizes to the nucleus and mitochondria of human cancer cells (PMID: 37813994).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

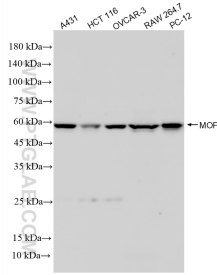
T: 4006900926

E: Proteintech-CN@ptglab.com

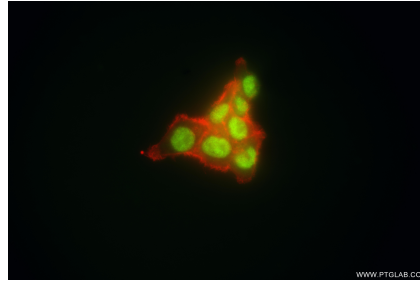
W: ptgcn.com

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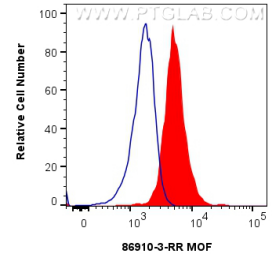
Selected Validation Data



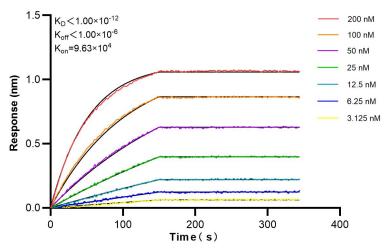
Various lysates were subjected to SDS PAGE followed by western blot with 86910-3-RR (MOF antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HCT 116 cells using MOF antibody (86910-3-RR, Clone: 251926C5) at dilution of 1:1200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1×10^6 HepG2 cells were intracellularly stained with 0.25 μ g MOF Recombinant monoclonal antibody (86910-3-RR, Clone: 251926C5) and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 μ g Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Biolayer interferometry (BLI) kinetic assays of 86910-3-RR against Human MOF were performed. The affinity constant is below 1 pM.