

For Research Use Only

MOF Polyclonal antibody

Catalog Number: 13842-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number:

13842-1-AP

Size:

240 ug/ml

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:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB, IP, CHIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : HeLa cells, MCF-7 cells, rat liver tissue

IP : HeLa cells,

IF/ICC : HCT 116 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). Western blot analysis detected MOF at an apparent molecular mass of 52 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Guokai Yan	35266843	Autophagy	WB,IP
Yang Yang	29975939	Cell Physiol Biochem	WB
Ding Wang	24037710	Mol Cell Proteomics	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

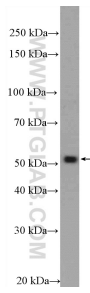
T: 4006900926

E: Proteintech-CN@ptglab.com

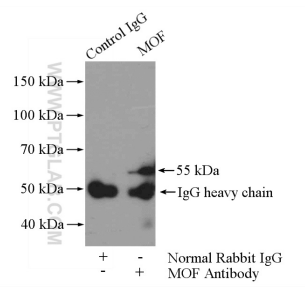
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

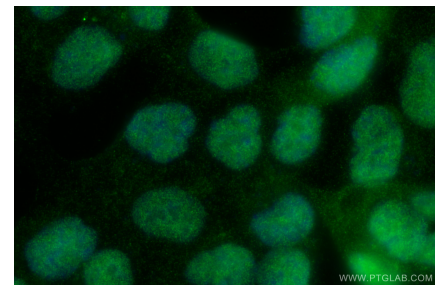
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 13842-1-AP (MOF Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-MOF (IP:13842-1-AP, 4 μ g; Detection:13842-1-AP 1:600) with HeLa cells lysate 1200 μ g.



Immunofluorescent analysis of (4% PFA) fixed HCT 116 cells using MOF antibody (13842-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).