

For Research Use Only

MOF Recombinant monoclonal antibody

Catalog Number: 86910-3-RR



Basic Information

Catalog Number: 86910-3-RR	GenBank Accession Number: BC037773	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 84148	CloneNo.: 251926C5
Source: Rabbit	UNIPROT ID: Q9H7Z6	Recommended Dilutions: WB: 1:1000-1:6000 IF/ICC: 1:600-1:2400
Isotype: IgG	Full Name: MYST histone acetyltransferase 1	FC (Intra): 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Immunogen Catalog Number: AG4802	Calculated MW: 467 aa, 53 kDa	
	Observed MW: 52 kDa	

Applications

Tested Applications: WB, IF/ICC, FC (Intra), ELISA	Positive Controls:
Species Specificity: human, mouse, rat	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

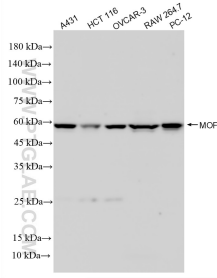
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

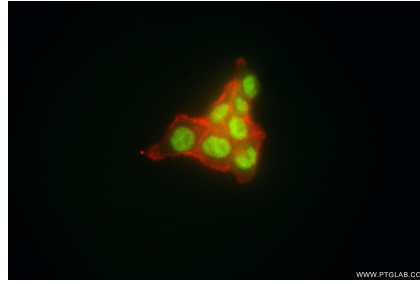
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

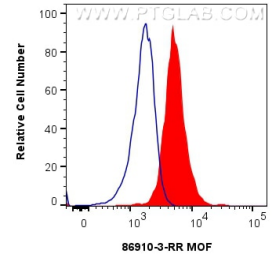
Selected Validation Data



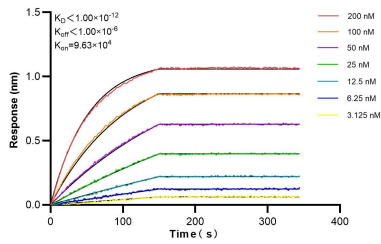
Various lysates were subjected to SDS PAGE followed by western blot with 86910-3-RR (MOF antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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.