

For Research Use Only

MOF Recombinant monoclonal antibody, PBS Only

Catalog Number: 86910-3-PBS



Basic Information

Catalog Number: 86910-3-PBS	GenBank Accession Number: BC037773	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 84148	CloneNo.: 251926C5
Source: Rabbit	UNIPROT ID: Q9H7Z6	
Isotype: IgG	Full Name: MYST histone acetyltransferase 1	
Immunogen Catalog Number: AG4802	Calculated MW: 467 aa, 53 kDa	
	Observed MW: 52 kDa	

Applications

Tested Applications:
WB, IF/ICC, FC (Intra), Indirect ELISA

Species Specificity:
human, mouse, rat

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 -80°C.

Storage Buffer:
PBS only, pH7.3

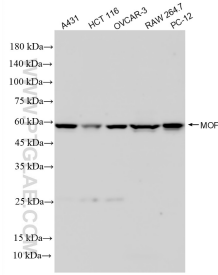
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

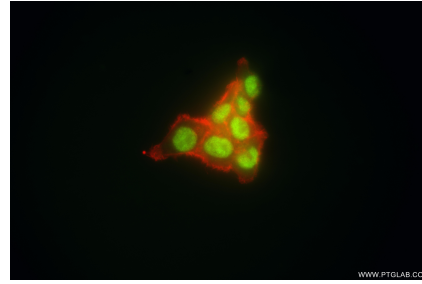
E: proteintech@ptglab.com
W: ptglab.com

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

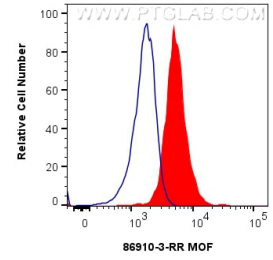
Selected Validation Data



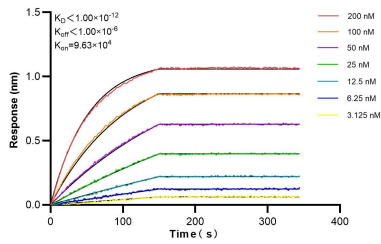
Various lysates were subjected to SDS PAGE followed by western blot with 86910-3-RR (MOF antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86910-3-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 86910-3-PBS in a different storage buffer formulation.



1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug 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 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone



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