Best Tools for immunology Research

MOF Monoclonal Antibody

Catalog No :	YM0448
Reactivity :	Human
Applications :	WB;IHC;IF;ELISA
Target :	MOF
Gene Name :	KAT8
Protein Name :	Histone acetyltransferase KAT8
Human Gene Id :	84148
Human Swiss Prot No :	Q9H7Z6
Mouse Swiss Prot No :	Q9D1P2
Immunogen :	Purified recombinant fragment of human MOF expressed in E. Coli.
Specificity :	MOF Monoclonal Antibody detects endogenous levels of MOF protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:500 - 1:2000. IHC 1:200 - 1:1000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	Affinity purification
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	52kD
P References :	1. Sterner, D.E., et al. Microbiol. Mol. Biol 2000 Rev. 64: 435-459. 2. Neal, K.C., et al. Biochim. Biophys. 2000 Acta 1490: 170-174. 3. Akhtar, A., et al. EMBO 2001 Rep. 2: 113-118.

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Background : This gene encodes a member of the MYST histone acetylase protein family. The encoded protein has a characteristic MYST domain containing an acetyl-CoA-binding site, a chromodomain typical of proteins which bind histones, and a C2HC-type zinc finger. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2012],

Function : catalytic activity:Acetyl-CoA + histone = CoA + acetylhistone.,function:Histone acetyltransferase which may be involved in transcriptional activation. May influence the function of ATM.,similarity:Belongs to the MYST (SAS/MOZ) family.,similarity:Contains 1 C2HC-type zinc finger.,similarity:Contains 1 chromo domain.,subunit:Component of a multisubunit histone acetyltransferase complex (MSL) at least composed of the MOF/MYST1, MSL1/hampin, MSL2L1 and MSL3L1. Interacts with the chromodomain of MORF4L1/MRG15. Interacts with ATM through the chromodomain.,

Subcellular Location : Nucleus . Chromosome .

Expression : Brain,Embryo,Heart,Uterus,

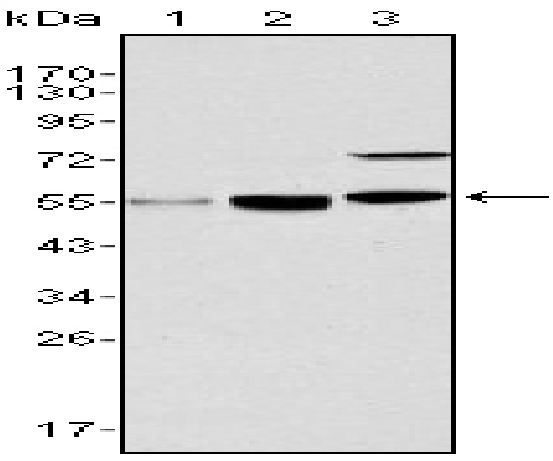
Sort : 9739

No4 : 1

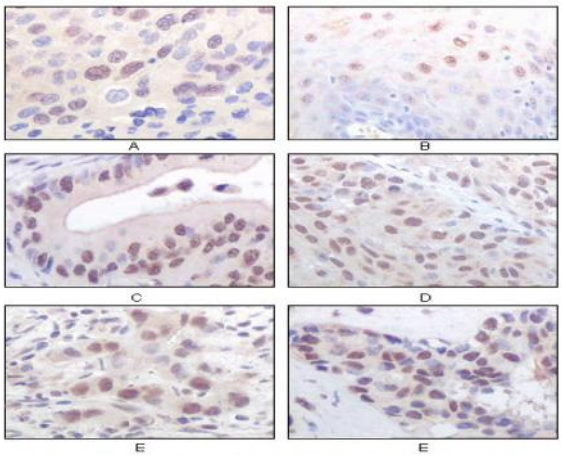
Host : Mouse

Modifications : Unmodified

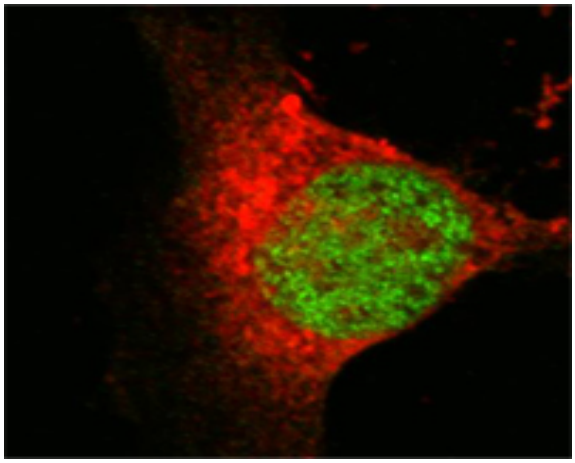
Products Images



Western Blot analysis using MOF Monoclonal Antibody against HeLa (1), HepG2 (2) and SMMC-7721 (3) cell lysate.



Immunohistochemistry 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 carci



Confocal immunofluorescence analysis of Eca 109 cells using MOF Monoclonal Antibody (green), showing nuclear localization.