SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-KAT7 Monoclonal Antibody

Catalog Number: SLA0744M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgM/Kappa
Clonality:	Monoclonal
Clone No.:	2C8
SWISS:	O95251
Target:	KAT7
Immunogen:	Synthesized peptide derived from human protein.
Purification:	Affinity-chromatography using specific immunogen.
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ELISA (1:5000-10000) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Predicted MW.:	71 kDa
Background:	catalytic activity:Acetyl-CoA + histone = CoA + acetylhistone. ,domain:The C2HC-type zinc finger is required for interaction with MCM2 and ORC1L. ,domain:The N-terminus is involved in transcriptional repression , while the C-terminus mediates AR-interaction. ,function:Component of the HBO1 complex which has a histone H4-specific acetyltransferase activity , a reduced activity toward histone H3 and is responsible for the bulk of histone H4 acetylation in vivo. Through chromatin acetylation it may regulate DNA replication and act as a coactivator of TP53-dependent transcription. Specifically represses AR-mediated transcription. ,PTM:Phosphorylated upon DNA damage , probably by ATM or ATR. ,similarity:Belongs to the MYST

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	(SAS/MOZ) family. ,similarity:Contains 1 C2HC-type zinc finger. ,subunit:Component of the HBO1 complex composed at least of ING4 or ING5 , MYTS2/HBO1 , EAF6 , and one of PHF15 , PHF16 and PHF17. Interacts with MCM2 and ORC1L. Interacts with the androgen receptor (AR) in the presence of dihydrotestosterone. ,tissue specificity:Ubiquitously expressed , with highest levels in testis.

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