SunLong Biotech Co.,LTD
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[Primary Antibody]

Mouse Anti-GCN5 antibody

Catalog Number: SLM-60243M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG2a/Kappa
Clonality:	Monoclonal
Clone No.:	H8D2
Target:	GCN5
Purification:	Affinity purified by Protein G
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-1000) ICC/IF (1:50-100) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human (predicted: Mouse, Rat)
Subcellular Location:	The nucleus The cell membrane
Background:	Lysine acyltransferase, which can act as an acetyltransferase, glutaryltransferase, or succinyltransferase. As a histone lysine succinyltransferase: catalyzes succinylation of histone H3 at 'Lys-79' (H3K79succ), with maximum frequency near transcription start sites of genes. Histone succinylation provides a specific mark for epigenetic transcriptional activation. Histone succinylation requires binding to the 2-oxoglutarate dehydrogenase complex that provides succinyl-CoA. In different complexes, it can act as either an acetyltransferase (HAT) or a succinyltransferase: in the SAGA and ATAC complexes, it acts as a histone acetyltransferase. It has pronounced histone acetyltransferase activity toward core histones, but this activity is absent with nucleosome core particles. Histone acetylation provides a specific mark for epigenetic transcriptional activation.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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[VALIDATION IMAGES]

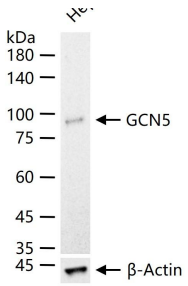


Figure 1. 25 ug total protein per lane of various lysates (see on figure) probed with GCN5 monoclonal antibody, unconjugated (SLM-60243M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min

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