

For Research Use Only

# KAT2A/GCN5 Monoclonal antibody

Catalog Number: 66575-1-Ig

Featured Product

11 Publications



## Basic Information

<b>Catalog Number:</b> 66575-1-Ig	<b>GenBank Accession Number:</b> BC032743	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 2200 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2648	<b>CloneNo.:</b> 1F6G7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q92830	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG2a	<b>Full Name:</b> K(lysine) acetyltransferase 2A	
<b>Immunogen Catalog Number:</b> AG6940	<b>Calculated MW:</b> 94 kDa	
	<b>Observed MW:</b> 94 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b> WB : HeLa cells, MCF-7 cells, HSC-T6 cells, NIH/3T3 cells, SKOV-3 cells IF/ICC : SKOV-3 cells,
<b>Cited Applications:</b> WB, IHC, IF, IP	
<b>Species Specificity:</b> Human, mouse, rat	
<b>Cited Species:</b> human, mouse, rat	

## Background Information

GCN5, encoded by KAT2A, is a member of nuclear A-type histone acetyltransferase (HAT) which has direct impact on gene transcription. Additionally, GCN5 has roles in cell cycle regulation, DNA replication, and DNA repair, highlighting it as key player in the maintenance of genome stability. GCN5 is a coactivator of c-MYC oncogene protein and has oncogenic roles in various cancers.

## Notable Publications

Author	Pubmed ID	Journal	Application
Shang-Kun Dai	35735108	Development	WB
Qian Guo	34155695	J Bone Miner Res	WB
Mayur Doke	34115777	PLoS One	WB,IF

## Storage

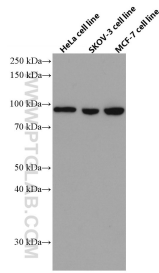
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

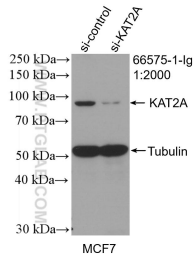
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

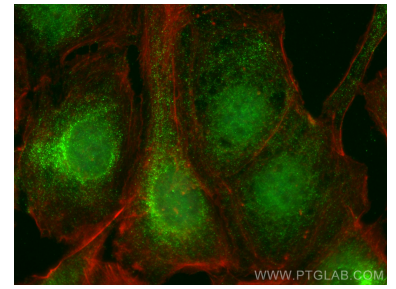
## Selected Validation Data



Various cells were subjected to SDS PAGE followed by western blot with 66575-1-Ig (KAT2A antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



WB result of KAT2A/GNC5 antibody (66575-1-Ig; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-KAT2A/GNC5 transfected MCF-7 cells.



Immunofluorescent analysis of (4% PFA) fixed SKOV-3 cells using KAT2A/GCN5 antibody (66575-1-Ig, Clone: 1F6G7) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).