

## ARG58716 anti-KAT2A / GCN5 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes KAT2A / GCN5
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	KAT2A / GCN5
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-100 of Human KAT2A (NP_066564.2).
Conjugation	Un-conjugated
Alternate Names	EC 2.3.1.48; HsGCN5; Histone acetyltransferase KAT2A; GCN5L2; hGCN5; PCAF-b; GCN5; General control of amino acid synthesis protein 5-like 2; Histone acetyltransferase GCN5; Lysine acetyltransferase 2A; STAF97

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:200 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	MCF7	
Observed Size	94 kDa	

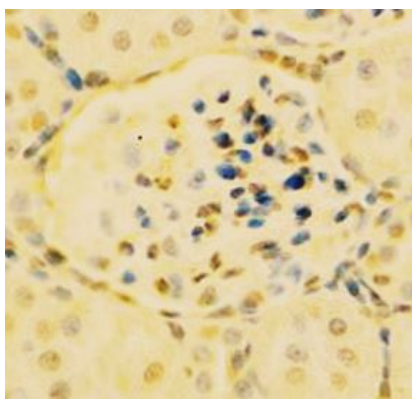
### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

## Bioinformation

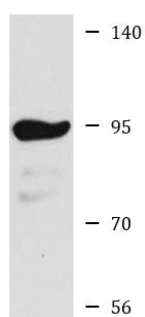
Gene Symbol	KAT2A
Gene Full Name	K(lysine) acetyltransferase 2A
Background	KAT2A, or GCN5, is a histone acetyltransferase (HAT) that functions primarily as a transcriptional activator. It also functions as a repressor of NF-kappa-B (see MIM 164011) by promoting ubiquitination of the NF-kappa-B subunit RELA (MIM 164014) in a HAT-independent manner (Mao et al., 2009 [PubMed 19339690]).[supplied by OMIM, Sep 2009]
Function	Functions as a histone acetyltransferase (HAT) to promote transcriptional activation. Acetylation of histones gives a specific tag for epigenetic transcription activation. Has significant histone acetyltransferase activity with core histones, but not with nucleosome core particles. Also acetylates non-histone proteins, such as CEBPB. Component of the ATAC complex, a complex with histone acetyltransferase activity on histones H3 and H4. In case of HIV-1 infection, it is recruited by the viral protein Tat. Regulates Tat's transactivating activity and may help inducing chromatin remodeling of proviral genes. [UniProt]
Calculated Mw	94 kDa
Cellular Localization	Nucleus. [UniProt]

## Images



ARG58716 anti-KAT2A / GCN5 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat kidney stained with ARG58716 anti-KAT2A / GCN5 antibody at 1:100 dilution.



MCF7

ARG58716 anti-KAT2A / GCN5 antibody WB image

Western blot: 25 µg of MCF7 cell lysate stained with ARG58716 anti-KAT2A / GCN5 antibody.