

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.

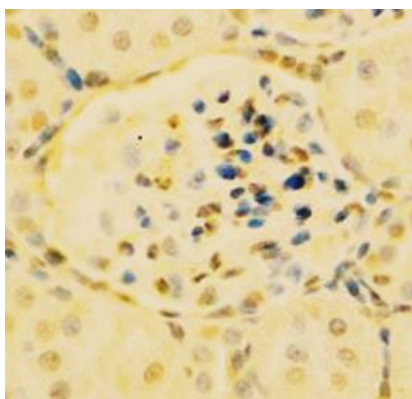
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

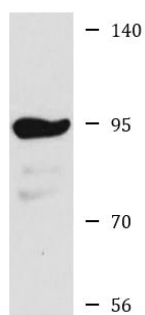
Gene Symbol	KAT2A
Gene Full Name	K(lysine) acetyltransferase 2A
Background	KAT2A, or GCN5, is a histone acetyltransferase (HAT) that functions primarily as a transcriptional activator. It also functions as a repressor of NF-kappa-B (see MIM 164011) by promoting ubiquitination of the NF-kappa-B subunit 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.