

KAT2A/GCN5 Rabbit mAb**Catalog No.: A30008****Recombinant****Basic Information****Observed MW**

94 kDa

Calculated MW

94 kDa/49 kDa

Category

Monoclonal Antibodies

Applications

WB, IP, IF/ICC, ELISA

Cross Reactivity

Human, Mouse, Rat

Clone No.

ARC4294

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]).

Recommended Dilutions**WB** 1:3000 - 1:15000**IP**

0.5 µg - 4 µg antibody for 400 µg - 600 µg extracts of whole cells

IF/ICC 1:50 - 1:200**ELISA**

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$), a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information**Gene ID**

2648

Swiss-Prot

Q92830

Immunogen

This information is considered to be commercially sensitive.

Synonyms

GCN5; hGCN5; GCN5L2; PCAF-b; KAT2A

Contact | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn**Product Information****Source**

Rabbit

Isotype

IgG

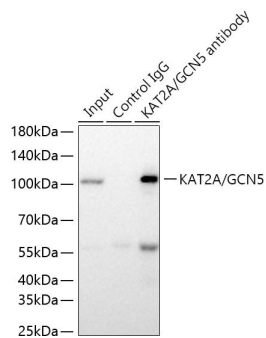
Purity

Affinity purification

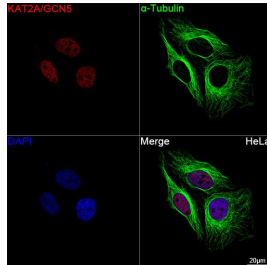
Storage

Store at -20°C

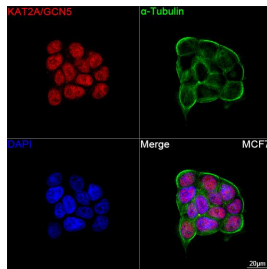
Validation Data



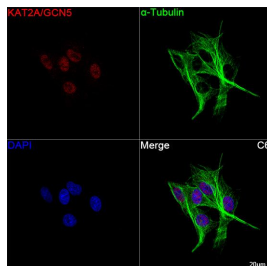
Immunoprecipitation of KAT2A/GCN5 from 600 µg extracts of HeLa cells was performed using 1 µg of KAT2A/GCN5 Rabbit mAb (A30008). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using KAT2A/GCN5 Rabbit mAb (A30008) at a dilution of 1:3000.



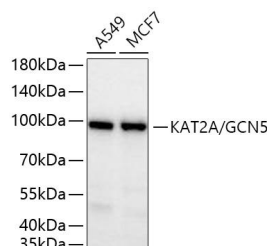
Confocal imaging of HeLa cells using KAT2A/GCN5 Rabbit mAb (A30008, dilution 1:50) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS037, dilution 1:800) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of MCF7 cells using KAT2A/GCN5 Rabbit mAb (A30008, dilution 1:50) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS037, dilution 1:800) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of C6 cells using KAT2A/GCN5 Rabbit mAb (A30008, dilution 1:50) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS037, dilution 1:800) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Western blot analysis of various lysates using KAT2A/GCN5 Rabbit mAb (A30008) at 1:7000 dilution incubated overnight at 4°C.

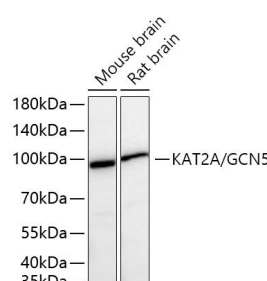
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 5 s.



Western blot analysis of various lysates using KAT2A/GCN5 Rabbit mAb (A30008) at 1:7000 dilution incubated overnight at 4°C.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90 s.