

# Human KAT2A/GCN5 antibody

Catalog Number: ATGA0174

## PRODUCT INFORMATION

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**Catalog number**

ATGA0174

**Clone No.**

AT3G13

**Product type**

Monoclonal Antibody

**UnitProt No.**

Q92830

**NCBI Accession No.**

NP\_066564

**Alternative Names**

STAF97, PCAF-b, Lysine acetyltransferase 2A, Histone succinyltransferase KAT2A, Histone glutaryltransferase KAT2A, Histone acetyltransferase KAT2A, Histone acetyltransferase GCN5, General control of amino-acid synthesis 5-like 2, General control of amino acid synthesis protein 5-like 2, GCN5L2, GCN5

## PRODUCT SPECIFICATION

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**Antibody Host**

Mouse

**Reacts With**

Human

**Concentration**

1mg/ml (determined by BCA assay)

**Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

**Immunogen**

Recombinant human GCN5L2 (411-837aa) purified from E. coli

**Isotype**

IgG2a kappa

**Purification Note**

By protein-G affinity chromatography

**Application**

ELISA, WB, ICC/IF

**Usage**

The antibody has been tested by ELISA, Western blot and ICC/IF analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

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## Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

### Description

GCN5L2, as known as GCN5 and KAT2A is the use of immunoprecipitated GCN5L2 for acetylation to provide the additional components important for acetylation. GCN5L2 can be one of the potential enzymes involved in acetylation in vivo. GCN5L2 is expressed predominantly in the embryo and newborn and is essential for normal embryonic development. Therefore, GCN5L2 appears to be important for differentiation of embryonic-derived preadipocytes. On the one hand, loss of GCN5L2 leads to high incidence of apoptosis in the GCN5L2 mutants that begins before the onset of morphological abnormality.

### General References

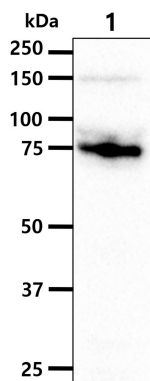
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Jacob AL, et al. (2001) J Biol Chem, 276(40):37659-64.

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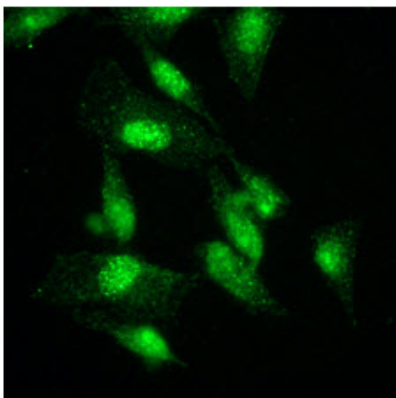
## DATA

### Western blot analysis (WB)



The cell lysate(40ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human KAT2A/GCN5 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.  
Lane 1.: HeLa cell lysate

### Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of GCN5L2 in HeLa cells. The cell was stained with ATGA0480 (1:500). The secondary antibody (green) was used Alexa Fluor 488.