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Human KAT2A/GCN5 antibody

Catalog Number: ATGA0174

PRODUCT INFORMATION

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

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

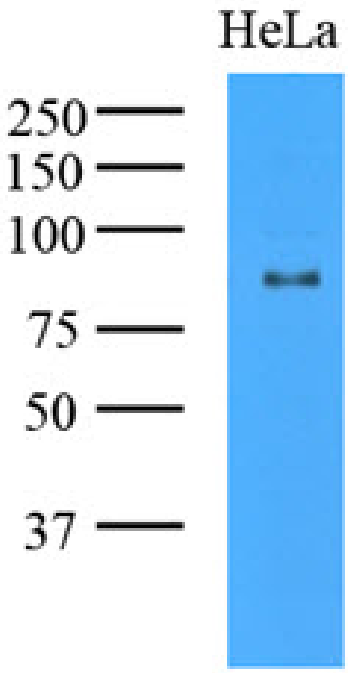
GCN5L2, as known as GCN5 and KAT2A is the use of immunoprecipitated GCN5L2 for acetylation to provide the additional components important for acetylation. GCN5L2 can be one of the potential enzymes involved in acetylation in vivo. GCN5L2 is expressed predominantly in the embryo and newborn and is essential 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

Wiper-Bergeron N, et al. (2007) Proc Natl Acad Sci U S A, 104(8):2703-8.
Jacob AL, et al. (2001) J Biol Chem, 276(40):37659-64.
Xu W, et al. (2000) Nat Genet, 26(2):229-232.

DATA

Western blot analysis (WB)



The cell lysate of HeLa (35ug) was resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human GCN5L2 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Immunocytochemistry/Immunofluorescence (ICC/IF)

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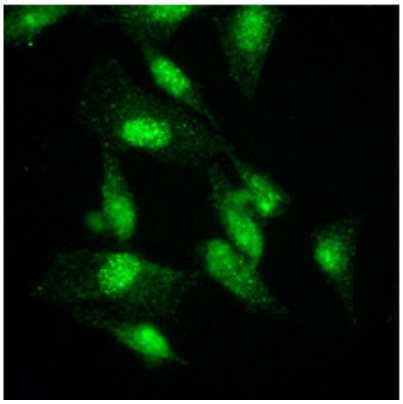

ICC/IF analysis of GCN5L2 in HeLa cells. The cell was stained with ATGA0480 (1:500). The secondary antibody (green) was used Alexa Fluor 488.