

32-5985: Mouse Anti Human Histone acetyltransferase KAT2A(Clone: PAT3G13AT.)

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| Clonality : | Monoclonal |
| Clone Name : | PAT3G13AT. |
| Application : | ELISA, WB, FACS |
| Gene : | KAT2A |
| Gene ID : | 2648 |
| Uniprot ID : | Q92830 |
| Format : | Purified |
| Alternative Name : | Histone acetyltransferase KAT2A, General control of amino acid synthesis protein 5-like 2, Histone acetyltransferase GCN5, HsGCN5, Lysine acetyltransferase 2A, STAF97, KAT2A, GCN5, GCN5L2, HGCN5, PCAF-b, MGC102791. |
| Isotype : | Mouse IgG2a heavy chain and ? light chain. |
| Immunogen Information : | Anti-human KAT2A mAb, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human KAT2A amino acids 411-837 purified from E. coli. |

Description

KAT2A (GCN5L2 or GCN5) is a histone acetyltransferase (HAT), which functions mainly as a transcriptional activator. GCN5L2 may be one of the enzymes involved in acetylation in vivo. GCN5 is expressed primarily in the embryo and newborn and is crucial for normal embryonic development. Hence, KAT2A appears to be significant for differentiation of embryonic-derived preadipocytes. GCN5 also functions as a repressor of NF-kappa-B by promoting ubiquitination of the NF-kappa-B subunit RELA in a HAT-independent manner. Loss of GCN5L2 leads to a high occurrence of apoptosis in the KAT2A mutants, which begins before the onset of morphological abnormality.

Product Info

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| Amount : | 20 µg |
| Purification : | KAT2A antibody was purified from mouse ascitic fluids by protein-G affinity chromatography. |
| Content : | 1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide. |
| Storage condition : | For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles. |

Application Note

KAT2A antibody has been tested by ELISA, Western blot and Immunofluorescence analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis and Immunofluorescence is 1:250 ~ 500. Recommended starting dilution is 1:250.