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GCN5L2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant GCN5L2.
Catalog # AT2182a

Product Information

Application	WB, IF
Primary Accession	Q92830
Other Accession	BC032743
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	4D3
Calculated MW	93926

Additional Information

Gene ID	2648
Other Names	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
Target/Specificity	GCN5L2 (AAH32743, 738 a.a. ~ 837 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	GCN5L2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

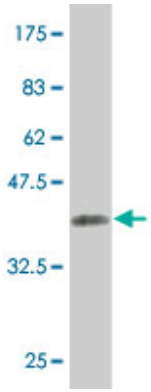
KAT2A, or GCN5, is a histone acetyltransferase (HAT) that functions primarily as a transcriptional activator. It also functions as a repressor of NF-kappa-B (see MIM 164011) by promoting ubiquitination of the NF-kappa-B subunit RELA (MIM 164014) in a HAT-independent manner (Mao et al., 2009 [PubMed 19339690]).

References

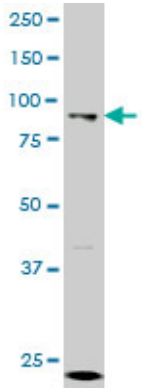
GCN5-dependent acetylation of HIV-1 integrase enhances viral integration. Terreni M, et al. Retrovirology,

2010 Mar 12. PMID 20226045.Gcn5 and SAGA regulate shelterin protein turnover and telomere maintenance. Atanassov BS, et al. Mol Cell, 2009 Aug 14. PMID 19683498.Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.GCN5-mediated transcriptional control of the metabolic coactivator PGC-1beta through lysine acetylation. Kelly TJ, et al. J Biol Chem, 2009 Jul 24. PMID 19491097.Acetylation by GCN5 regulates CDC6 phosphorylation in the S phase of the cell cycle. Paolinelli R, et al. Nat Struct Mol Biol, 2009 Apr. PMID 19343071.

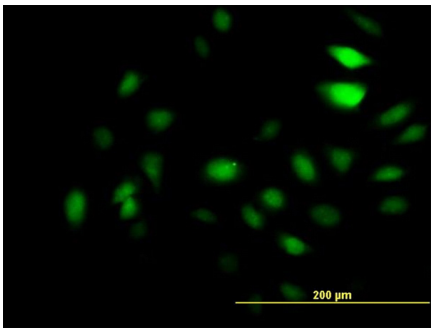
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



GCN5L2 monoclonal antibody (M01), clone 4D3 Western Blot analysis of GCN5L2 expression in K-562 ((Cat # AT2182a)



Immunofluorescence of monoclonal antibody to GCN5L2 on HeLa cell. [antibody concentration 10 ug/ml]