

GCN5L2 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant GCN5L2.****Catalog # AT2182a****Specification**

GCN5L2 Antibody (monoclonal) (M01) - Product Information

Application	WB, IF
Primary Accession	O92830
Other Accession	BC032743
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	93926

GCN5L2 Antibody (monoclonal) (M01) - 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.

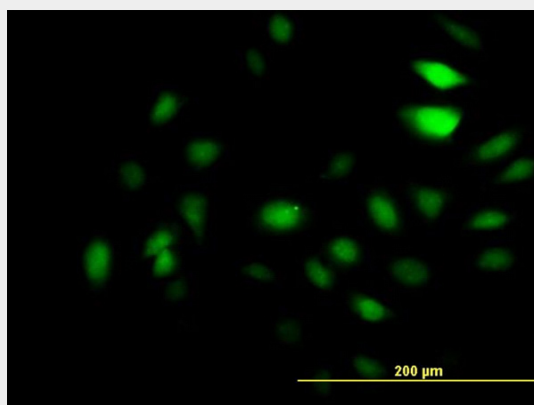
GCN5L2 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

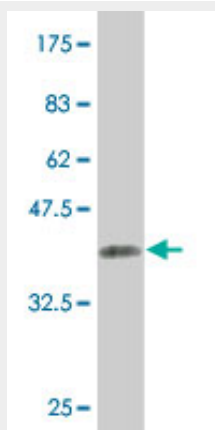
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

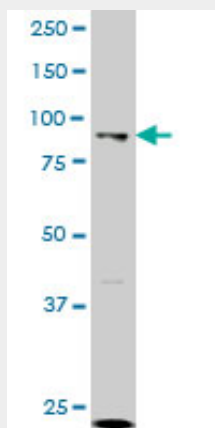
GCN5L2 Antibody (monoclonal) (M01) - Images



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



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)

GCN5L2 Antibody (monoclonal) (M01) - 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]).

GCN5L2 Antibody (monoclonal) (M01) - 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.