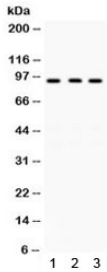
GCN5 Antibody / KAT2A (R32295)

Catalog No.	Formulation	Size
R32295	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q92830
Applications	Western blot: 0.1-0.5ug/ml
Limitations	This GCN5 antibody is available for research use only.



Western blot testing of human 1) A431, 2) 22RV1 and 3) COLO320 lysate with GCN5 antibody. Expected/observed molecular weight ~94 kDa.

Description

Histone acetyltransferase KAT2A, also called GCN5 and GCN5L2, is an enzyme that in humans is encoded by the KAT2A gene. It is a histone acetyltransferase (HAT) that functions primarily as a transcriptional activator. The GCN5 protein, a regulator of transcription activation in yeast, promotes maximal levels of transcription by 2 transcriptional activators, GCN4 and the HAP2-HAP3-HAP4 complex. The GCN4 protein activates transcription of a large number of amino acid biosynthetic genes under limiting amino acid conditions and the HAP2-HAP3-HAP4 complex is thought to mediate transcription of genes involved in respiratory functions. 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.

Application Notes

Optimal dilution of the GCN5 antibody should be determined by the researcher.

Immunogen

Amino acids DPARPGLSQQQRASQRKAQVRGLPRAKKLEKL of human KAT2A/GCN5 were used as the immunogen for the GCN5 antibody.

Storage

After reconstitution, the GCN5 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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