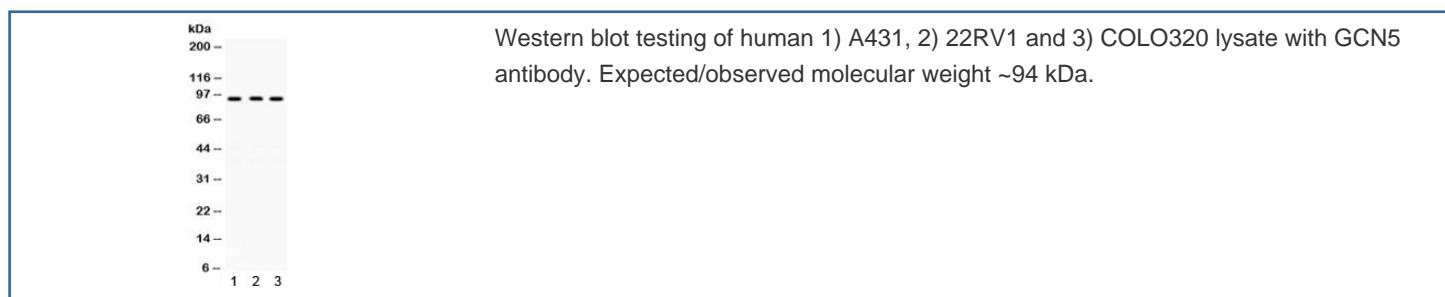


GCN5 Antibody / KAT2A (R32295)

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.



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 DPARPGLSQQRASQRKAQVRGLPRAKKLEKL 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.