abcam

Product datasheet

Anti-GCN5p antibody ab63810

1 References 2 Images

Overview

Product name	Anti-GCN5p antibody
Description	Rabbit polyclonal to GCN5p
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Saccharomyces cerevisiae
Immunogen	Recombinant fragment corresponding to the N-terminal domain (1-300aa) of Saccharomyces cerevisiae GCN5p.
Positive control	Saccharomyces cerevisiae extract.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 6 Preservative: 0.1% Sodium azide Constituent: Whole serum
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab63810 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/5000. Detects a band of approximately 54 kDa (predicted molecular weight: 51 kDa).

Target

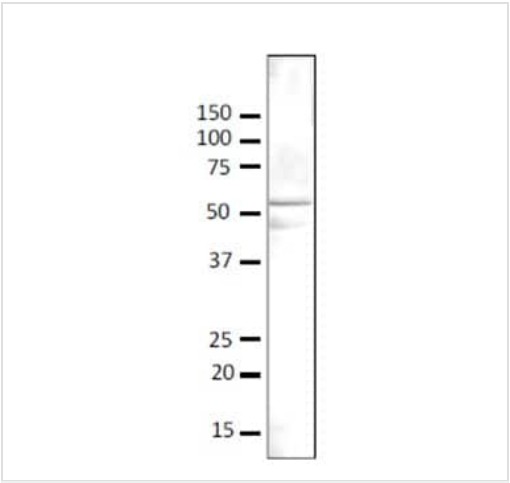
Relevance

GCN5p is a histone acetyltransferase that contains a bromo domain and an N-acetyltransferase domain. It is recruited by a number of DNA-binding transcriptional activators, such as GCN4p and HAP2/3/4. GCN5p is a component of a number of different histone acetylation (HAT) complexes, namely, SAGA, SALSA and ADA. The SAGA complex, which is around 1.8 MDa in size, is required for the recruitment of the basal transcriptional machinery to around 10% of RNA polymerase II gene promoters in yeast. The activity of GCN5 may be dependent on its interactions within these multisubunit complexes. GCN5p acetylates histone H2B on K11 and K16 and histone H3 on K9, K14, K18, K23, K27 and K36. It also contributes to acetylation of histone H4 (at K8 and K16) and histone H2A.Z.

Cellular localization

Nuclear

Images



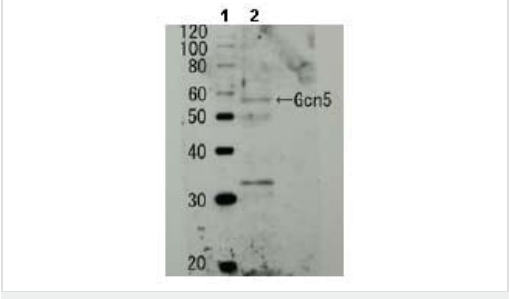
Western blot - Anti-GCN5p antibody (ab63810)

Anti-GCN5p antibody (ab63810) at 1/500 dilution + Lysate from S. cerevisiae(BY4741)

Secondary

HRP conjugated Goat anti-Rabbit IgG at 1/5000 dilution

Predicted band size: 51 kDa



Western blot - Anti-GCN5p antibody (ab63810)

All lanes : Anti-GCN5p antibody (ab63810) at 1/5000 dilution

Lane 1 : Molecular weight markers

Lane 2 : Saccharomyces cerevisiae extract

Predicted band size: 51 kDa

Observed band size: 54 kDa

Additional bands at: 34 kDa, 50 kDa. We are unsure as to the identity of these extra bands.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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