Product Name: GCN5 Rabbit Polyclonal Antibody
Catalog #: APRab11359
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
Molecular Weight	100kDa

Antigen Information

Gene Name	KAT2A
Alternative Names	KAT2A; GCN5; GCN5L2; HGCN5; Histone acetyltransferase KAT2A; General control of amino acid synthesis protein 5-like 2; Histone acetyltransferase GCN5; HsGCN5; Lysine acetyltransferase 2A; STAF97
Gene ID	2648.0
SwissProt ID	Q92830
Immunogen	The antiserum was produced against synthesized peptide derived from human GCN5L2. AA range:691-740

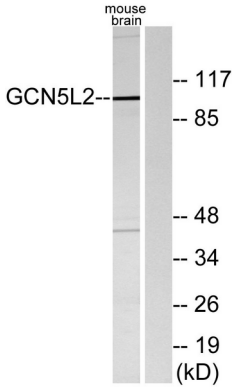
Background

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]).[supplied by OMIM, Sep 2009],somitogenesis,regionalization,chromatin organization,chromatin remodeling,transcription,transcription, DNA-dependent,regulation of transcription, DNA-dependent,regulation of transcription from RNA polymerase II promoter,transcription from RNA polymerase II promoter,protein amino acid acetylation,pattern specification process,embryonic development ending in birth or egg hatching,anterior/posterior pattern formation,chromatin modification,covalent chromatin modification,histone modification,histone acetylation,histone deubiquitination,protein deubiquitination,RNA biosynthetic process,segmentation,chordate embryonic development,protein amino acid acylation,histone H3 acetylation,regulation of transcription,regulation of RNA metabolic process,chromosome organization,protein modification by small protein removal,protein modification by small protein conjugation or removal,

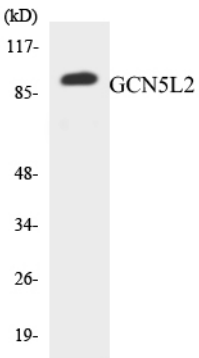
Research Area

Protein_Acetylation

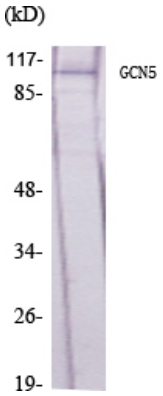
Image Data



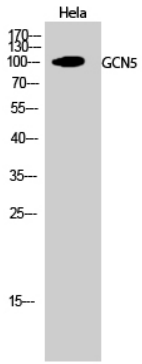
Western blot analysis of lysates from mouse brain, using GCN5L2 Antibody. The lane on the right is blocked with the synthesized peptide.



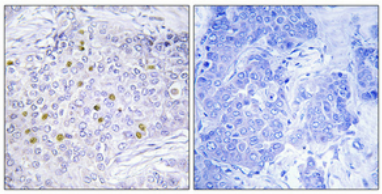
Western blot analysis of the lysates from RAW264.7cells using GCN5L2 antibody.



Western Blot analysis of various cells using GCN5 Polyclonal Antibody diluted at 1:1000.



Western Blot analysis of Hela cells using GCN5 Polyclonal Antibody diluted at 1:1000.



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100 (4°,overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.