

GCN5 Polyclonal Antibody

Catalog No :	YT1875
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	GCN5
Fields :	>>Viral life cycle - HIV-1;>>Notch signaling pathway;>>Thyroid hormone signaling pathway;>>Human T-cell leukemia virus 1 infection;>>Viral carcinogenesis
Gene Name :	KAT2A
Protein Name :	Histone acetyltransferase KAT2A
Human Gene Id :	2648
Human Swiss Prot No :	Q92830
Mouse Gene Id :	14534
Mouse Swiss Prot No :	Q9JHD2
Immunogen :	The antiserum was produced against synthesized peptide derived from human GCN5L2. AA range:691-740
Specificity :	GCN5 Polyclonal Antibody detects endogenous levels of GCN5 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	100kD
Cell Pathway :	Protein_Acetylation
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],
Function :	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 rem
Subcellular Location :	Nucleus . Chromosome . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Mainly localizes to the nucleus (PubMed:27796307). Also localizes to centrosomes in late G1 and around the G1/S transition, coinciding with the onset of centriole formation (PubMed:27796307). .
Expression :	Expressed in all tissues tested.

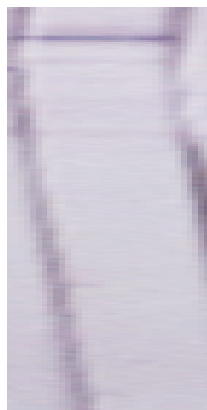
Products Images

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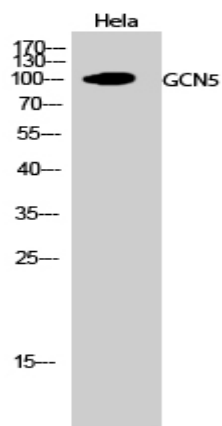
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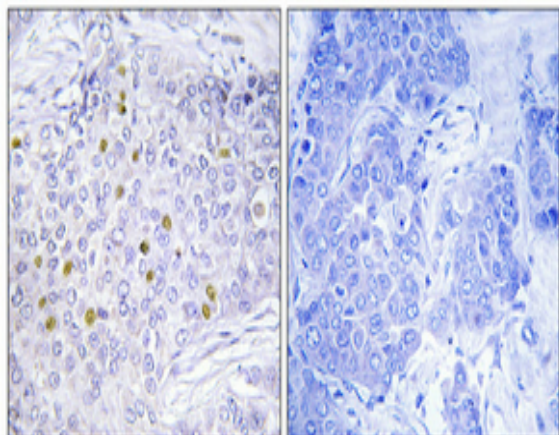
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GCN5

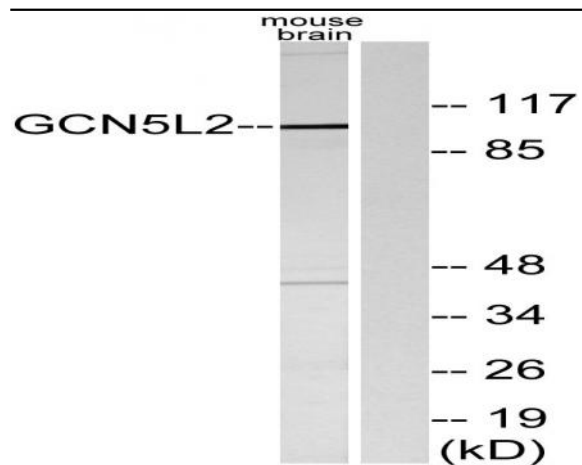
Western Blot analysis of various cells using GCN5 Polyclonal Antibody diluted at 1:1000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventibiotech, MN, USA).



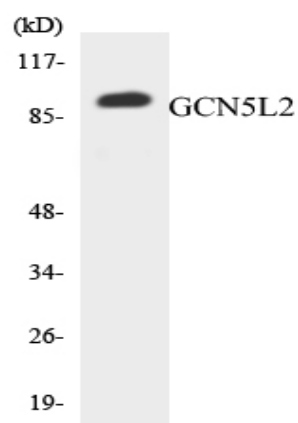
Western Blot analysis of HeLa cells using GCN5 Polyclonal Antibody diluted at 1:1000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventibiotech, MN, USA).



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100 (4° overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



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 RAW264.7 cells using GCN5L2 antibody.