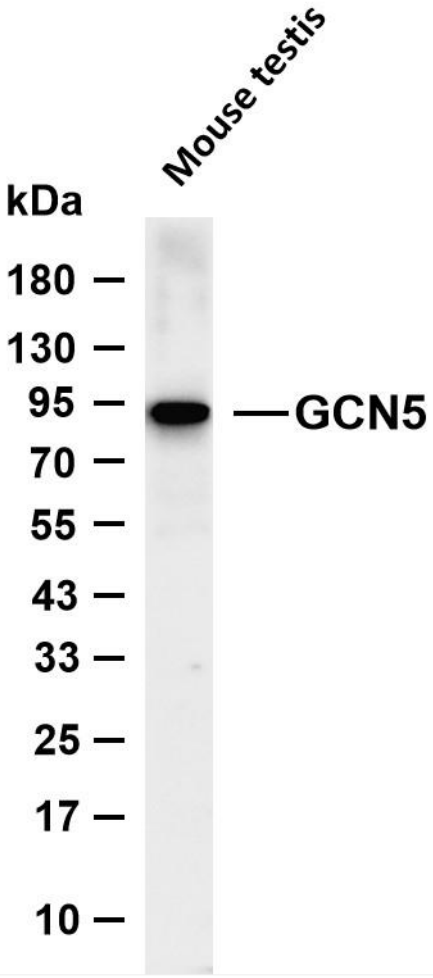
GCN5 Rabbit mAb

Catalog No	YP-rAb-17181
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IF,IP,ELISA
Gene Name	KAT2A
Protein Name	Histone acetyltransferase KAT2A
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200;
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	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
Observed Band	94kD
Calculated Molecular Weight	94kD
Cell Pathway	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). .
Tissue Specificity	Expressed in all tissues tested.
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 removal,
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-GCN5 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Mouse testis Predicted band size: 94kDa Observed band size: 94kDa