

Rabbit anti-Human, Mouse GCN5 Polyclonal Antibody | anti-GCN5 antibody

GCN5 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA294883	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

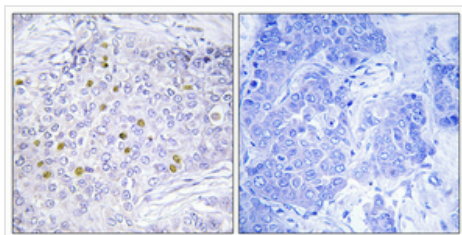
PRODUCT SYNONYMS

GCN5; Polyclonal Antibody; GCN5 Polyclonal Antibody; KAT2A; GCN5L2; HGCN5; Histone acetyltransferase KAT2A; General control of amino acid synthesis protein 5-like 2; Histone acetyltransferase GCN5; HsGCN5; Lysine acetyltransferase 2A; STAF97; anti-GCN5 antibody

PRODUCT SPECIFICATIONS

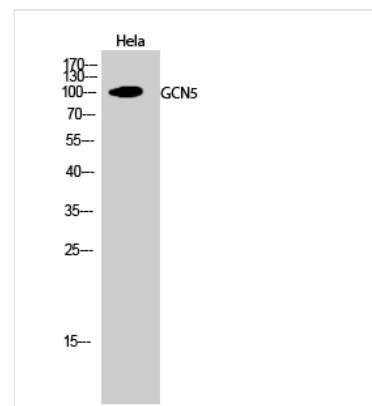
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Applicable Applications for anti-GCN5 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Notes	ECO:0000303 PubMed:27796307, ECO:0000312 HGNC: HGNC:4201
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



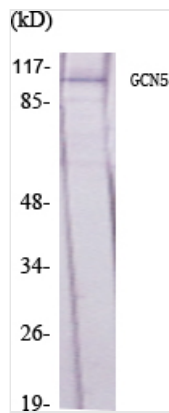
IHC (Immunohistochemistry)

Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000.
Not yet tested in other applications.



WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000.
Not yet tested in other applications.



WB (Western Blot)
Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000.
Not yet tested in other applications.

ADDITIONAL INFORMATION

Related Product Information for anti-GCN5 antibody	Protein lysine acyltransferase that can act both as a acetyltransferase and succinyltransferase, depending on the context (PubMed:19103755, PubMed:29211711). Has significant histone acetyltransferase activity with core histones, but not with nucleosome core particles (PubMed:19103755). Acetylation of histones gives a specific tag for epigenetic transcription activation (PubMed:19103755, PubMed:29211711). Involved in long-term memory consolidation and synaptic plasticity: acts by promoting expression of a hippocampal gene expression network linked to neuroactive receptor signaling (By similarity). Acts as a positive regulator of T-cell activation: upon TCR stimulation, recruited to the IL2 promoter following interaction with NFATC2 and catalyzes acetylation of histone H3 at Lys-9 (H3K9ac), leading to promote IL2 expression (By similarity). Also acetylates non-histone proteins, such as CEBPB, PLK4 and TBX5 (PubMed:29174768, PubMed:27796307). Involved in heart and limb development by mediating acetylation of TBX5, acetylation regulating nucleocytoplasmic shuttling of TBX5 (PubMed:29174768). Acts as a negative regulator of centrosome amplification by mediating acetylation of PLK4 (PubMed:27796307).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	153791535
NCBI GeneID	2648
NCBI Accession #	NP_066564.2
NCBI GenBank Nucleotide #	NM_021078.2
UniProt Accession #	Q92830; Q8N1A2; Q9UCW1
Molecular Weight	93,926 Da
NCBI Official Full Name	histone acetyltransferase KAT2A
NCBI Official Synonym Full Names	K(lysine) acetyltransferase 2A
NCBI Official Symbol	KAT2A
NCBI Official Synonym Symbols	GCN5; hGCN5; GCN5L2; PCAF-b
NCBI Protein Information	histone acetyltransferase KAT2A; STAF97; hGCN5; lysine acetyltransferase 2A; histone acetyltransferase GCN5; general control of amino acid synthesis protein 5-like 2; General control of amino acid synthesis, yeast, homolog-like 2; GCN5 (general control o
UniProt Protein Name	Histone acetyltransferase KAT2A
UniProt Gene Name	KAT2A
UniProt Synonym Gene Names	GCN5; GCN5L2; HGCN5; HsGCN5
UniProt Entry Name	KAT2A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/gcn5-antibody-immunohistochemistry-western-blot-elisa/294883>