USA Tel: 1-877-374-4368 • Int. Tel: 1-718-484-3990
sales@epigentek.com • www.epigentek.com

GCN5 Polyclonal Antibody

(Catalog #A-4013)

Background
GCN5, a putative transcriptional adapter in humans and yeast, possesses histone acetyltransferase (HAT) activity. GCN5 HATs operate in multi-subunit complexes (e.g., SAGA and ADA) to acetylate lysine residues in histone tails, preferentially those of histone H3. Also, GCN5 is required for the activation of a number of genes involved in amino acid biosynthesis, respiration, and other pathways controlled by the SWI/SNF gene products.

Description
GCN5 Polyclonal Antibody. Unconjugated. Raised in: Rabbit.

Formulation
Liquid. PBS containing 50% glycerol, 0.5% BSA* and 0.02% sodium azide.

Specificity
Human

Isotype
IgG

Uniprot ID
Q92830

Purification
Affinity Purified

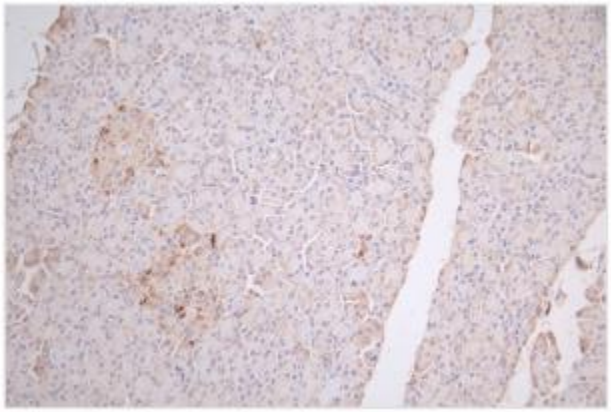
Immunogen
Synthesized peptide derived from the C-terminal region of human GCN5.

Storage
Store at -20°C or -80°C. Avoid repeated freeze.

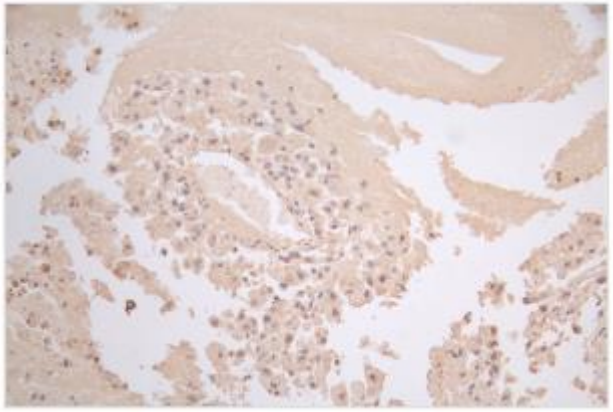
Alternative Names
KAT2A; GCN5; GCN5L2; HGCN5; Histone acetyltransferase KAT2A; General control of amino acid synthesis protein 5-like 2; Histone acetyltransferaseGCN5; HsGCN5; Lysine acetyltransferase 2A; STAF97

Application
IF, IHC, ELISA; Recommended Dilution; IF:1:20-1:300, IHC:1:100-1:300, ELISA:1:20000

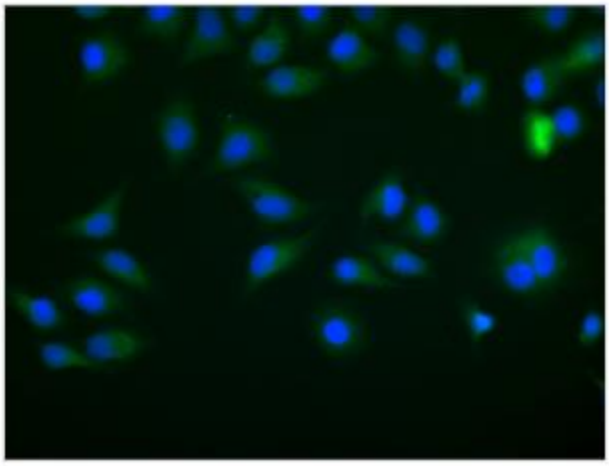
**The BSA is derived from animal or animal-derived material of negligible amounts. The animal-derived material is subject to heat treatment at a temperature higher than 65°C for at least three hours and acid treatment with pH value of less than 5 for at least three hours, thereby being free of Bovine Spongiform Encephalopathy (BSE) and Transmissible Spongiform Encephalopathy (TSE). Additionally, as all BSA-containing products are strictly intended for research purposes and not for diagnostic or therapeutic use, they are not subject to certification authority oversight.*



IHC image of GCN5 Polyclonal Antibody diluted at 1:66 and staining in paraffin-embedded human pancreatic tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then, primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.



IHC image of GCN5 Polyclonal Antibody diluted at 1:66 and staining in paraffin-embedded human melanoma cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then, primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.



Immunofluorescence staining of Hela cell with GCN5 Polyclonal Antibody at 1:30, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).