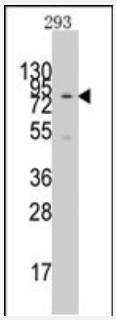
GCN5L2 polyclonal antibody

Catalog # PAB2244 Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of GCN5L2 polyclonal antibody (Cat # PAB2244) in 293 cell line lysates (35 ug/lane). GCN5 (arrow) was detected using the purified polyclonal antibody.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of GCN5L2.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human GCN5L2.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Ammonium sulfate precipitation
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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Gene Info — KAT2A

Entrez GeneID	2648
Protein Accession#	NP_066564;Q8N1A2
Gene Name	KAT2A
Gene Alias	GCN5, GCN5L2, MGC102791, PCAF-b, hGCN5
Gene Description	K(lysine) acetyltransferase 2A
Omim ID	602301
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	GCN5 (general control of amino-acid synthesis, yeast, homolog)-like 2|GCN5 general control of amino-acid synthesis 5-like 2|General control of amino acid synthesis, yeast, homolog-like 2

Publication Reference

- Acetylation of conserved lysines in the catalytic core of cyclin-dependent kinase 9 inhibits kinase activity and regulates transcription.

  Sabo A, Lusic M, Cereseto A, Giacca M.

  Molecular and Cellular Biology 2008 Feb; 28(7):2201.

- Glucocorticoid-stimulated preadipocyte differentiation is mediated through acetylation of C/EBPbeta by GCN5.

  Wiper-Bergeron N, Salem HA, Tomlinson JJ, Wu D, Hache RJ.

  PNAS 2007 Feb; 104(8):2703.

  Application: WB, Mouse, 3T3-L1 cells

- An hGCN5/TRRAP histone acetyltransferase complex co-activates BRCA1 transactivation function through histone modification.

  Oishi H, Kitagawa H, Wada O, Takezawa S, Tora L, Kouzu-Fujita M, Takada I, Yano T, Yanagisawa J, Kato S.

  The Journal of Biological Chemistry 2005 Oct; 281(1):20.

Pathway

- Notch signaling pathway

Disease

- Disease Progression
- Disease Susceptibility
- HIV Infections