

## Product datasheet for **AM09360PU-S**

### **KAT2A Mouse Monoclonal Antibody [Clone ID: AT3G13]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	AT3G13
Applications:	ELISA, IF, WB
Recommended Dilution:	ELISA. Western blot (1:250 - 1:1000). Immunofluorescence (1:250 - 1:500).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant human GCN5L2 (411-837aa) purified from E. coli
Specificity:	The antibody recognizes human KAT2A (GCN5L2). Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	lysine acetyltransferase 2A
Database Link:	<a href="#">Entrez Gene 2648 Human Q92830</a>



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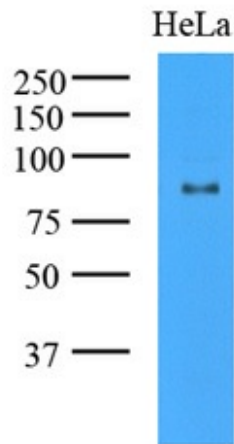
**Background:** GCN5L2, as known as GCN5 and KAT2A is the use of immunoprecipitated GCN5L2 for acetylation to provide the additional components important for acetylation. GCN5L2 can be one of the potential enzymes involved in acetylation in vivo. GCN5L2 is expressed predominantly in the embryo and newborn and is essential for normal embryonic development. Therefore, GCN5L2 appears to be important for differentiation of embryonic-derived preadipocytes. On the one hand, loss of GCN5L2 leads to high incidence of apoptosis in the GCN5L2 mutants that begins before the onset of morphological abnormality.

**Synonyms:** Histone acetyltransferase KAT2A, Histone acetyltransferase GCN5, HsGCN5, HGCN5, Lysine acetyltransferase 2A, STAF97

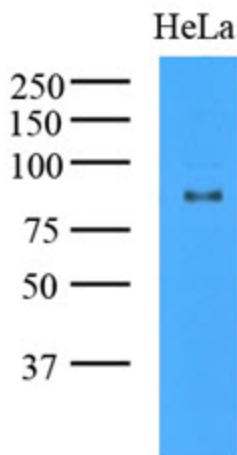
**Protein Families:** Transcription Factors

**Protein Pathways:** Notch signaling pathway

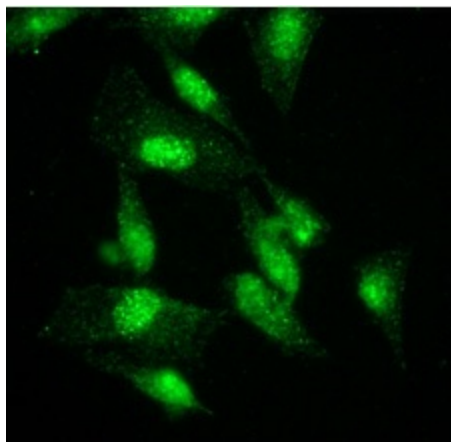
### Product images:



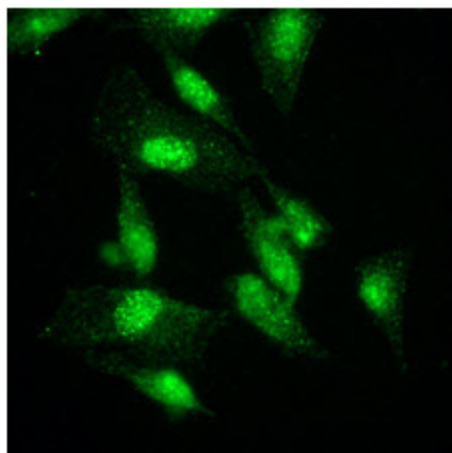
Cell lysates of HeLa (35ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human GCN5L2 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Western blot analysis: Cell lysates of HeLa (35 ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human GCN5L2 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Immunofluorescence of HeLa cells were stained by monoclonal anti-human GCN5L2 antibody (1:500) with Alexa 488 (Green).



Immunofluorescence of HeLa cells stained by monoclonal anti-human GCN5L2 antibody (1:500) with Alexa 488 (Green).