e at -20C	GCN5L2 (C26A10) Rabbit mAb			
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com	
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For Research Use Only. Not for Use in Diagnostic Procedures.

	eactivity: Sensitivity: M R Mk Endogenous	MW (kDa): 94	Source/Isotype: Rabbit IgG	UniProt ID: #Q92830	Entrez-Gene Id: 2648
Product Usage Information	Application Western Blotting Immunoprecipitation Immunofluorescence	(Immunocytochen	nistry)	1:10 1:20	
Storage			7.5), 150 mM NaCl, 100 not aliquot the antibody		erol and less than
Specificity / Sensitivit	y GCN5L2 (C26A10) Ra cross-react with the rel		endogenous levels of to n.	tal GCN5L2 protein. T	he antibody does not
Species predicted to react based on 100% sequence homology:	Bovine, Horse				
Source / Purification	Monoclonal antibody is amino terminus of hum		nunizing animals with a s	synthetic peptide corre	esponding to the
Background	protein and a histone a TFTC transcription coa factor PCAF, another H Lys14; however, when 23, and to a smaller ex modulating chromatin binding bromodomains (TAT, c-Myb) (5,6), trar (8). Acetylation of these activator association (5 interactions with multip STAGA and TFTC cor	acetyltransferase (activator complexe IAT protein found part of coactivato tent histones H4 a structure and recru- (4). GCN5L2 also scription co-activa proteins regulato 5-8). GCN5L2 is re- le transcription ac- plexes also intera g and DNA repair	s Yeast Homolog Like 2 HAT) that functions as t is (1). GCN5L2 is 73% h in similar complexes (2) r complexes, GCN5L2 a and H2B (3). Histone ac uiting additional coactive o acetylates non-histone ators (PGC1- α) (7), and es their nuclear localizat ecruited to gene promote tivator proteins such as act with SAP130 and DD , suggesting roles for GO	he catalytic subunit of nomologous to the p30 b. Free GCN5L2 acetyl acetylates histone H3 a etylation contributes to ator proteins that conta e proteins such as tran- nuclear receptors (Ste tion, protein stability, D ers during transactivati Myc, E2F, p53, and B B1, two structurally re	the STAGA and 0/CBP-associated ates histone H3 on at Lys9, 14, 18, and o gene activation by ain acetyl-lysine scription activators eroidogenic Factor 1) NA binding, and co- on through RCA1 (9-12). The lated proteins
Background Referenc	 es 1. Candau, R. et al. (19) 2. Yang, X.J. et al. (199) 3. Grant, P.A. et al. (199) 4. Yang, X.J. (2004) <i>Bi</i> 5. Kiernan, R.E. et al. (200) 7. Lerin, C. et al. (2006) 8. Jacob, A.L. et al. (2003) 10. Lang, S.E. et al. (200) 11. Candau, R. et al. (200) 12. Oishi, H. et al. (2000) 13. Brand, M. et al. (2000) 	 b) Nature 382, 31 b) J Biol Chem 2 cessays 26, 1076 cessays 26, 1076 cell Metab 3, 42 cell Metab 3, 42 d) J Biol Chem 2 	L9-24. 274, 5895-900. -87. 3, 6106-18. 444-51. 29-38. 276, 37659-64. 20405-12. 76, 32627-34. 5, 807-16. L, 20-6.		

1/1/24, 1:01 PM Species Reactivity	GCN5L2 (C26A10) Rabbit mAb (#3305) Datasheet Without Images Cell Signaling Technology Species reactivity is determined by testing in at least one approved application (e.g., western blot).			
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.			
Applications Key	WB: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry)			
Cross-Reactivity Key	 H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected 			
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