Store at



cellsignal.com

Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 70, 73	Source/Isotype: Rabbit	UniProt ID: #Q86YP4	Entrez-Gene Id: 54815
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. <i>Do not aliquot the antibody.</i>				
Specificity/Sensitivity		GATAD2A Antibody recognizes endogenous levels of total GATAD2A protein. This antibody does not cross-react with GATAD2B protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro56 of human GATAD2A protein. Antibodies are purified by peptide affinity chromatography.				
Background		GATAD2A and GATAD2B nucleosome remodeling the deacetylase core of sumoylation of GATAD2 been shown to be phos GATAD2A in order to rec in the context of induce	a, also known as po g and deacetylase the NuRD comple A at Lys30 and Ly: phorylated by AM duce NuRD-depen ed pluripotent ster	56 alpha and p66 beta, a (NuRD) complex (1). GA x to repress target gene 5487 (2-5). In addition to PK in the memory forma dent repression of key p n cell (iPSC) generation (re related member: (AD2A interacts with s, a process that is being sumoylated, ation process (6). De luripotency genes i 7,8).	s of the h MBD2 to recruit enhanced by the GATAD2A has also epletion of is being explored
Background References		 Brackertz, M. et al. (2002) <i>J Biol Chem</i> 277, 40958-66. Brackertz, M. et al. (2006) <i>Nucleic Acids Res</i> 34, 397-406. Gnanapragasam, M.N. et al. (2011) <i>Proc Natl Acad Sci U S A</i> 108, 7487-92. Desai, M.A. et al. (2015) <i>Nucleic Acids Res</i> 43, 3100-13. Gong, Z. et al. (2006) <i>Mol Cell Biol</i> 26, 4519-28. Ding, X. et al. (2017) <i>Nat Neurosci</i> 20, 690-9. Mor, N. et al. (2018) <i>Cell Stem Cell</i> 23, 412-425.e10. Zviran, A. et al. (2019) <i>Cell Stem Cell</i> 24, 328-341.e9. 				
Species Reactivi	ity	Species reactivity is dete	ermined by testing	g in at least one approve	d application (e.g.,	western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				
Applications Key		W: Western Blotting IP: Immunoprecipitation				
Cross-Reactivity	/ Кеу	H: Human				
Trademarks and Patents		Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.				
		CST is a registered trade	emark of Cell Sign	aling Technology, Inc.		
		XP is a registered trade	mark of Cell Signa	ling Technology, Inc.		
		All other trademarks are more information.	e the property of t	heir respective owners.	Visit cellsignal.com	/trademarks for
Limited Uses		Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's				

terms and conditions that are in addition to, or different from, those contained herein, unless

For Research Use Only. Not for Use in Diagnostic Procedures.

separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.

Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.