#11930 Store To Part 1930 Store To Part				Cell Signaling	
Sto				Orders:	877-616-CELL (2355) orders@cellsignal.com
320				Support:	877-678-TECH (8324)
148				Web:	info@cellsignal.com cellsignal.com
			3 Trask L	ane Danvers Ma	ssachusetts 01923 USA
For Research Use Only. Not fo Applications: Read	tivity: Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
	H Endogenous	280	Rabbit IgG	#P46100	546
Product Usage Information	For optimal ChIP result This antibody has beer	s, use 10 μl of an α validated using \$	tibody and 10 µg of chrc SimpleChIP [®] Enzymatic	omatin (approximate Chromatin IP Kits.	ely 4 x 10 ⁶ cells) per IP.
	Application			Dilutior	ı
	Western Blotting			1:1000	
	Immunoprecipitation			1:50	
Storage			7.5), 150 mM NaCl, 100 o not aliguot the antibody		ycerol and less than
Specificity / Sensitivity		ATRX (D1N2E) Rabbit mAb recognizes endogenous levels of total ATRX protein.			
Source / Purification		produced by imn	nunizing animals with a s		prresponding to
Background	the SNF2 family of chro protein 6 (Daxx), ATRX sequences such as telo nuclear functions that e during meiosis (7,8). Th integrity and the regula methylation patterns at results in ATR-X syndro abnormalities, and milo occurs in numerous ca	matin remodeling cats as histone of pmeric, pericentric ensure proper sist ne ATRX transcrip tion of gene expre- high DNA repeat ome, an X-linked I α-thalassemia (1 ncers, including p	ed (ATRX) is a transcripting proteins (1,2). Togethe chaperone to deposit his c, and ribosomal gene re- er chromatid cohesion d totional regulator also play ession during mammalia sequences (9,10). Muta disorder characterized b (1,12). Research studies ancreatic neuroendocrim the occurs independently	r with its binding pa tone variant H3.3 at peats (3-6). ATRX i uring mitosis and cl ys a role in the main n development by i tions in the corresp y intellectual disabil i indicate that the lo be tumors (PanNETs	rtner death-associated t repetitive DNA is involved in many hromosome alignment ntenance of telomere nfluencing DNA onding <i>ATRX</i> gene lities, craniofacial ss of ATRX protein s) and pediatric
Background References	2. Picketts, D.J. et al. (: 3. Drané, P. et al. (2010 4. Elsässer, S.J. et al. (1996) Hum Mol G D) Genes Dev 24, 2012) Nature 491 010) Proc Natl Aca (2010) Cell 140, 08) J Cell Biol 180 al. (2004) Dev Bio 10) Genome Res 2000) Nat Genet 1995) Cell 80, 83 1995) Hum Mol G 2011) Science 33 2012) PLoS Gene et al. (2012) Nati	enet 5, 1899-907. 1253-65. ad Sci U S A 107, 14075 678-91. 0, 315-24. 20, 351-60. 24, 368-71. 7-45. Genet 4 Spec No, 1705-9 3, 425. et 8, e1002772. ure 482, 226-31.		
Species Reactivity	Species reactivity is det	ermined by testing	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Buffer					

1/1/24, 2:22 PM	ATRX (D1N2E) Rabbit mAb (#14820) Datasheet Without Images Cell Signaling Technology 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 ChIP: Chromatin IP		
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 		
Trademarks and Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. SimpleChIP is a registered trademark of Cell Signaling Technology, Inc. XP is a registered trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.		
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 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 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.		