348 Store at -20C

 

 Phospho-Tau (Ser214) (D1Q2X) Rabbit mAb
 Image: Cell Signaling technology

 Orders:
 877-616-CELL (2355) orders@cellsignal.com

 Support:
 877-678-TECH (8324)

 Web:
 info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications: WB, IP	Reactivity: H M R	Sensitivity: Endogenous	<b>MW (kDa):</b> 50-80	Source/Isotype: Rabbit IgG	<b>UniProt ID:</b> #P10636-8	Entrez-Gene Id: 4137	
Product Usage Information	W	oplication estern Blotting			<b>Dilution</b> 1:1000		
	In	munoprecipitation			1:50		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
Specificity / Sensitivity		Phospho-Tau (Ser214) (D1Q2X) Rabbit mAb recognizes endogenous levels of Tau protein only when phosphorylated at Ser214.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ser214 of human Tau protein.					
Background	esp rep 25 abi (AI In p res	becially in axons. Six beats near the carbox sites by Erk, glycoge lity of tau to bind to n D); these tangles are barticular, phosphory	isoforms with dif y terminus have n synthase kinas hicrotubules. Neu bundles of paired lation at Ser396 l hown that inclusi	ociated protein that pror ferent amino-terminal in been identified, and tau se-3 (GSK-3), and CDKS urofibrillary tangles are a d helical filaments (PHF by GSK-3 or CDK5 dest ions of tau are found in hies (1,3).	serts and different nur is hyperphosphorylate 5 (1,2). Phosphorylatio a major hallmark of Alz s) composed of hyper abilizes microtubules.	nbers of tandem ed at approximately on decreases the cheimer's disease phosphorylated tau. Furthermore,	
	Sei and det	r214. In addition, inve d dementia with Lewy	estigators have s v bodies (4-9). In	5, GSK3β and SGK1 hav hown that tau is phosph vestigators have shown protecting it against agg	orylated at Ser214 in a that tau phosphorylati	Alzheimer's disease on at Ser214	
Background Refe	2. F 3. E 4. I 5. C 6. Y 7. L 8. Z 9. E	Hanger, D.P. et al. (19 Bramblett, G.T. et al. Ilenberger, S. et al. (2 Götz, J. et al. (2001) Yang, Y.C. et al. (2006) Liu, F. et al. (2006) FE	998) J Neurochei (1993) Neuron 1 1998) Mol Biol Co Science 293, 149 6) Mol Cell Biol 2 EBS Lett 580, 62 Am J Physiol Lun PLoS One 8, e7	0, 1089-99. ell 9, 1495-512. 91-5. 26, 8357-70. 69-74. Ig Cell Mol Physiol 299, 5025.			
Species Reactivity	spe	cies reactivity is dete	rmined by testing	g in at least one approve	ed application (e.g., we	estern blot).	
Western Blot Buff		ORTANT: For wester 6 Tween® 20 at 4°C		membrane with diluted ing, overnight.	primary antibody in 59	% w/v BSA, 1X TBS,	
Applications Key	WE	: Western Blotting IF	: Immunoprecipi	tation			

3/9/24, 11:33 AM	Phospho-Tau (Ser214) (D1Q2X) Rabbit mAb (#77348) Datasheet Without Images Cell Signaling Technology
Cross-Reactivity K	<ul> <li>H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster</li> <li>X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse</li> <li>GP: Guinea Pig Rab: rabbit All: all species expected</li> </ul>
Trademarks and Patents	Cell Signaling Technology is a 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 or services that would compete with CST product 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.