e at +4C	p21 Waf1/Cip1 (12D1) Rabbit mAb (Alexa Fluor [®] 594 Conjugate)		Il Signaling
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com
11850		Support:	877-678-TECH (8324)
:118		Web:	info@cellsignal.com cellsignal.com
11			

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications: Reactive IF-IC H M		UniProt ID:Entrez-Gene Id:#P389361026	
Product Usage Information	Application	Dilution	
mormation	Immunofluorescence (Immunocytochemistry)	1:50	
Storage	Supplied in PBS (pH 7.2), less than 0.1% sodium azide and antibody. Protect from light. Do not freeze.	d 2 mg/ml BSA. Store at 4°C. Do not aliquot the	
Specificity / Sensitivity	p21 Waf1/Cip1 (12D1) Rabbit mAb (Alexa Fluor [®] 594 Conj p21 protein. The antibody does not cross-react with other C		
Species predicted to react based on 100% sequence homology:	Dog		
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human p21 protein.		
Product Description	This Cell Signaling Technology antibody is conjugated to Al house for direct immunofluorescent analysis in human cells species cross-reactivity as the unconjugated p21 Waf1/Cip	s. The antibody is expected to exhibit the same	
Background	The tumor suppressor protein p21 Waf1/Cip1 acts as an inl stoichiometric relationships forming heterotrimeric complex association with CDK2 complexes, it serves to inhibit kinas (1). However, p21 may also enhance assembly and activity (2). The carboxy-terminal region of p21 is sufficient to bind polymerase, and may coordinate DNA replication with cell of during cell cycle stages when cdc2/cyclin B or CDK2/cyclin upregulates p21 transcription via a p53-responsive element through ubiquitination and proteasomal degradation (5).	es with cyclins and cyclin-dependent kinases. In e activity and block progression through G1/S in complexes of CDK4 or CDK6 and cyclin D and inhibit PCNA, a subunit of DNA cycle progression (3). Upon UV damage or A are active, p53 is phosphorylated and	
Background References	 Pestell, R.G. et al. (1999) <i>Endocrine Rev.</i> 20, 501-34. Cheng, J. et al. (1999) <i>EMBO J.</i> 18, 1571-83. Flores-Rozas, H. et al. (1994) <i>Proc. Natl. Acad. Sci. USA</i> Wang, Y. and Prives, C. (1995) <i>Nature</i> 376, 88-91. Sheaff, R.J. et al. (2000) <i>Cell</i> 5, 403-10. 	\ 91, 8655-9.	
Species Reactivity	Species reactivity is determined by testing in at least one ap	proved application (e.g., western blot).	
Applications Key	IF-IC: Immunofluorescence (Immunocytochemistry)		
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: v X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. c GP: Guinea Pig Rab: rabbit All: all species expected	5	
Trademarks and Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology is a trademark of Cell Signaling Technology is a trademark of Cell Signaling Technology is product is provided under an intellectual property licens transfer of this product is conditioned on the buyer using the conducted by the buyer, excluding contract research or any (1) use this product or its components for (a) diagnostic, the	se from Life Technologies Corporation. The purchased product solely in research fee for service research, and the buyer must not	

1/14/24, 11:33 AM

p21 Waf1/Cip1 (12D1) Rabbit mAb (Alexa Fluor® 594 Conjugate) (#11850) Datasheet Without Images C.,.

analysis or screening services, or information in return for compensation on a per-test basis; or (c) manufacturing or quality assurance or quality control, and/or (2) sell or transfer this product or its components for resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com. 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 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.