4/12/24, 10:36 AM Revision 3

					Il Cianalina
នុី ROS1 (D4D6 [®]) l ដ	Rabbit mAb				Ell Signaling
Store				Orders:	877-616-CELL (2355) orders@cellsignal.com
2				Support:	877-678-TECH (8324)
ROS1 (D4D6 [®]) I store at -500 2828 2828				Web:	info@cellsignal.com cellsignal.com
			3 Trask La	ne Danvers Ma	ssachusetts 01923 USA
For Research Use Only. Not for U	-				
Applications: Reactiv WB, W-S, IP, IHC-P, IF- IC, FC-FP	ity: Sensitivity: Endogenous	MW (kDa): 258, 110, 50-80	Source/Isotype: Rabbit IgG	UniProt ID: #P08922	Entrez-Gene Id: 6098
Product Usage Information	Application			Dilution	
information	Western Blotting			1:1000	
	Simple Western™				.:10 - 1:50
	Immunoprecipitation				.:50
	Immunohistochemistr Immunofluorescence		stn/)		.:250 .:200 - 1:800
	Flow Cytometry (Fixe		suy)		.:200 - 1:800
_		,			
Storage			5), 150 mM NaCl, 100 μ not aliquot the antibody.	g/ml BSA, 50% gl	ycerol and less than
Specificity / Sensitivity	cross-react with other observed in ROS1 rea hyperplasia, and the e	related proteins wh rranged lung carcin pithelium in areas c	ndogenous levels of tota en analyzed by western omas, macrophages/gia f bronchiolar metaplasia patocellular carcinoma,	blot. Please note int cells, reactive t . Staining of unkn	that staining may be ype II pneumocyte own specificity has
Source / Purification	Monoclonal antibody is carboxy terminal doma		unizing animals with a pr DS1 protein.	otein correspondi	ng to residues in the
Background	homolog of v-ros from composed of six fibron orphan receptor, the fu role in differentiation or initially identified by re- cholangiocarcinoma (4 have found additional ROS1 kinase domain i and SLC34A2 (6-8). R Stat3 pathways (3,4,9)	the UR2 sarcoma we nectin repeats, a tra inctions of ROS1 and f epididymal epithel search studies in gl oncogenic ROS1 fu is fused to the amin OS1 fusion proteins there are two aut s1, either of which n	e of the insulin receptor f virus (1). ROS1 consists nsmembrane domain, ar re not well known, thougl ium (2). The first oncoge ioblastoma (3), and subs 5), and non-small cell lun sion proteins in NSCLC o-terminal region of seve s activate the SHP-2 pho ophosphorylation sites (nay serve as biomarkers	of a large extrace and a C-terminal kii h it has been show enic fusion of ROS sequent studies ha ng cancer (NSCLC (at a frequency of eral different prote osphatase, PI3K/A Tyr2274, Tyr2334	Ilular domain that is nase domain. Being an wn to play an important 51, FIG-ROS1, was ave found this fusion in C) (6). Investigators f ~1.6%), where the eins, including CD74 .kt/mTOR, Erk, and) downstream of the
Background References	4. Gu, T.L. et al. (2011) 5. Birch, A.H. et al. (20 6. Rimkunas, V.M. et a 7. Rikova, K. et al. (20	999) Biol Reprod 6 003) Genes Chromo) PLoS One 6, e156 11) PLoS One 6, e1 I. (2012) Clin Canco 07) Cell 131, 1190- Jänne, P.A. (2012) 2) Cancer Res 72, 3	1, 1062-9. Dsomes Cancer 37, 58-7 540. 28250. Er Res 18, 4449-57. 203. Clin Cancer Res 18, 422 3764-74.		
Species Reactivity	Species reactivity is def	termined by testing	in at least one approved	l application (e g	western blot)

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

4/12/24, 10:36 AM	ROS1 (D4D6®) Rabbit mAb (#3287) 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 W-S: Simple Western™ IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized)	
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. Alexa Fluor is a registered trademark of Life Technologies Corporation. 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.	