e at -20C	MATK/CHK (D2I6U) Rabbit mAb		Cell Signaling
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com
29		Support:	877-678-TECH (8324)
<u>;</u> 207		Web:	info@cellsignal.com cellsignal.com
#		3 Trask Lane Danvers	Massachusetts 01923 USA

Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 52,56	Source/Isotype: Rabbit IgG	UniProt ID: #P42679	Entrez-Gene Id: 4145
Product Usage	App	olication			Dilution	
Information	Wes	stern Blotting			1:1000	
	Imm	nunoprecipitation			1:100	
Storage	Supp 0.029	blied in 10 mM sodi % sodium azide. St	um HEPES (pH ore at –20°C. Do	7.5), 150 mM NaCl, 100 o not aliquot the antibody	μg/ml BSA, 50% glyce /.	erol and less than
Specificity / Sensit	vity MAT	MATK/CHK (D2I6U) Rabbit mAb recognizes endogenous levels of total MATK/CHK protein.				
Source / Purificatio	n Mono resid	oclonal antibody is lues surrounding G	produced by imn lu97 of human M	nunizing animals with a s ATK/CHK protein.	synthetic peptide corre	sponding to
Background	MAT to Cs resea C-ter First, mem Secc The s tyros regul corre	K/CHK (CTK, NTK sk kinase. The kinas arch groups. Like C minal catalytic kina , it directly phospho ibers). This induces ond, it binds directly SH2 domain of MA ine kinases, such a lates tumor cell gro elated with brain tur	and HYL) is a no se was identified sk, MATK/CHK I use domain (1-4). rylates the inhibi a Src protein co to activated Src TK/CHK directly as ErbB-2 and c- wth, migration ar nors as well as c	n-receptor tyrosine kina through molecular cloni has a N-terminal SH3 do MATK/CHK inhibits Sro tory C-terminal tyrosine informational change fro and induces a conforma interacts with the phosp Kit, to inhibit receptor fun d invasion (10-13). Dec olon cancers in research	ise structually and func- ing from multiple tissue omain, followed by an S c family members in se of Src (as well as othe om the active to inactiv- ational change to the in horylated tyrosine of a nction (7-9). MATK/CH reased expression of fan studies (14-15).	ctionally homologous es by different SH2 domain and a veral different ways. rr Src family e state (2,4). nactive state (5,6). ctivated receptor K negatively the protein has been
Background Refere	ences 1. Sa 2. Cr 3. Be 4. Kla 5. Cr 6. Cr 7. Zri 8. Kii 9. Pr 10. Le 11. Mo 12. Fu 13. Do 14. Zh 15. Kii	kano, S. et al. (199 how, L.M. et al. (199 ennett, B.D. et al. (199 hong, Y.P. et al. (200 hong, Y.P. et al. (200 han-Licht, S. et al. (200 han-Licht, S. et al. (2002) J ice, D.J. et al. (2002) J ice, D.J. et al. (2005) cShan, G.D. et al. (2005) cShan, G.D. et al. (2006) hwanovic, M. et al. hy, S. et al. (2008) C m, S.O. et al. (2004)	 (4) Oncogene 9, (4) Proc Natl Aca (994) J Biol Cher (4) Proc Natl Aca (24) J Biol Chem (26) J Biol Chem (208) J Biol Chem (2098) J Biol Chem (2098) J Biol Chem (2002) Int J Onco (2014) Cancer I (2014) Cancer 101, 10 	1155-61. ad Sci U S A 91, 4975-9 n 269, 1068-74. d Sci U S A 91, 2597-60 279, 20752-66. 281, 32988-99. em 273, 4065-72. 36465-70. 72, 5915-20. , 2840-5. I 21, 197-205. 3-8. Biol Ther 15, 1029-41. 27-34. 018-27.	1.	
Species Reactivity	Speci	es reactivity is dete	rmined by testing	g in at least one approve	ed application (e.g., we	estern blot).
Western Blot Buffe	r IMPO 0.1%	RTANT: For wester Tween® 20 at 4°C	n blots, incubate with gentle shak	membrane with diluted ing, overnight.	primary antibody in 5%	% w/v BSA, 1X TBS,
Applications Key	WB:	Western Blotting IF	: Immunoprecip	tation		

1/1/24, 9:23 AM	MATK/CHK (D2I6U) Rabbit mAb (#20729) Datasheet Without Images Cell Signaling Technology				
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. 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 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.				