evision 1						
Phospho-A Rabbit mA		r1278) (D590	G10)			Ell Signaling
Stor					Orders:	877-616-CELL (2355 orders@cellsignal.cor
					Support:	877-678-TECH (8324
#6941					Web:	info@cellsignal.co cellsignal.co
		in Diannastia Duana		3 Trask La	ane   Danvers   Ma	assachusetts   01923   US
or Research Use Only. Not for				0 "		=
Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	<b>MW (kDa):</b> 80 (NPM-ALK); 220 (ALK)	Source/Isotype: Rabbit IgG	UniProt ID: #Q9UM73	Entrez-Gene Id: 238
Product Usage	A	Application			Dilutio	n
Information		Western Blotting			1:1000	
		mmunoprecipitation			1:100	
Storage		••		5), 150 mM NaCl, 100 not aliguot the antibody		lycerol and less than
Specificity / Sensiti	<b>vity</b> Pł pł le	nospho-ALK (Tyr1278) nosphorylated at Tyr12	(D59G10) Rabbin 78, which is equiv e (LTK) phosphor	t mAb detects endogen valent to Tyr338 of NPM	ous levels of ALK 1-ALK. This antibo	
Species predicted t react based on 100 sequence homolog	%	ouse				
Source / Purificatio		onoclonal antibody is p sidues surrounding Ty			synthetic phosphop	peptide corresponding to
Background	in bo dii ha as Al ly A 4 lin ar 8) Pl te	volved in embryonic bi both ALK and the downs scovered as a nucleop ave found that the NPM ssociated with anaplas LK may be a crucial ste mphomas (5). distinct ALK oncogenia (EML4) has been desc ine, with corresponding nino-terminal region of nosphorylation of ALK chnology, a proprietary	rain development stream effectors IF shosmin (NPM)-AL A-ALK fusion prote tic lymphoma (4). ep for its mitogeni c fusion protein im cribed in the resea fusion transcripts f the microtubule-a on Tyr1278 was io y LC-MS/MS meth	dentified at Cell Signali	g cells, PTN induc PI3 kinase (1). ALK ced by a transloca ctive, oncogenic typ ggests that activati in the pathogenesi oderm microtubule- on-small cell lung c of lung adenocard 4 is fused to the king ng Technology using site discovery. Pho-	es phosphorylation of was originally tion (4). Investigators rosine kinase on of PLCγ by NPM- s of anaplastic eassociated protein like ancer (NSCLC) cell cinoma. The short, inase domain of ALK (6-
Background Refere	2. 3. 4. 5. 6. 7.	Stoica, G.E. et al. (20 Iwahara, T. et al. (199 Morris, S.W. et al. (19 Morris, S.W. et al. (19 Bai, R.Y. et al. (1998) Rikova, K. et al. (2007 Takeuchi, K. et al. (2007) Soda, M. et al. (2007)	7) Oncogene 14, 97) Oncogene 14 94) Science 263, Mol Cell Biol 18, 7) Cell 131, 1190-2 08) Clin Cancer F	439-49. , 2175-88. 1281-4. 6951-61. 203. ?es 14, 6618-24.		
Species Reactivity Western Blot Buffer	6. 7. 8. Sp	Rikova, K. et al. (2007 Takeuchi, K. et al. (20 Soda, M. et al. (2007)	7) <i>Cell</i> 131, 1190-: 08) <i>Clin Cancer R</i> Nature 448, 561-	203. ?es 14, 6618-24.	d application (e.g.,	, western blot).

1/1/24, 7:53 AM	Phospho-ALK (Tyr1278) (D59G10) Rabbit mAb (#6941) 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 Ke	WB: Western Blotting IP: Immunoprecipitation				
Cross-Reactivity	<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>				
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