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Phospho-ALK (Tyr1586) (3B4) Rabbit mAb

Applications: I WB	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 80 (NPM-ALK) 220 (ALK)	Source/Isotype: Rabbit IgG	UniProt ID: #Q9UM73	Entrez-Gene Id: 238
Product Usage Information		lication tern Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity / Sensitiv	to Tyr		· · ·	b detects ALK only who y cross-react with othe		, ,
Species predicted to react based on 100% sequence homology	6	e				
Source / Purification		clonal antibody is ues surrounding Ty		inizing animals with a s LK.	synthetic phosphopept	tide corresponding to
Background	involv both A disco have assoc ALK r lymph A dist 4 (EM line, v	ved in embryonic b ALK and the downs vered as a nucleop found that the NPM ciated with anaplas may be a crucial st nomas (5). cinct ALK oncogeni (L4) has been deso with corresponding	rain development stream effectors IF phosmin (NPM)-AI M-ALK fusion prote tic lymphoma (4). ep for its mitogeni c fusion protein in cribed in the resea fusion transcripts	rosine kinase receptor (1-3). In ALK-expressir RS-1, Shc, PLCy, and F K fusion protein produ- ein is a constitutively ar Research literature su c activity and involved volving ALK and echino arch literature from a no present in some cases associated protein EMI	ng cells, PTN induces PI3 kinase (1). ALK wa iced by a translocation ctive, oncogenic tyrosi ggests that activation in the pathogenesis of oderm microtubule-ass on-small cell lung cance s of lung adenocarcino	phosphorylation of as originally n (4). Investigators ne kinase of PLCy by NPM- f anaplastic sociated protein like cer (NSCLC) cell oma. The short,
Background Referen	2. Iwa 3. Mo 4. Mo 5. Bai 6. Rik 7. Tak	bica, G.E. et al. (20 ahara, T. et al. (199 rris, S.W. et al. (19 rris, S.W. et al. (19 i, R.Y. et al. (1998) tova, K. et al. (2007) keuchi, K. et al. (2007)	7) Oncogene 14, 97) Oncogene 14 94) Science 263, Mol Cell Biol 18, 7) Cell 131, 1190- 08) Clin Cancer F	439-49. , 2175-88. 1281-4. 6951-61. 203. ?es 14, 6618-24.		
Species Reactivity	Specie	es reactivity is dete	rmined by testing	in at least one approve	ed application (e.g., we	estern blot).
Western Blot Buffer		RTANT: For wester Tween® 20 at 4°C		nembrane with diluted g, overnight.	primary antibody in 59	% w/v BSA, 1X TBS,
Applications Key Cross-Reactivity Key		Western Blotting				

1/1/24, 12:49 PM	 Phospho-ALK (Tyr1586) (3B4) Rabbit mAb (#3348) Datasheet Without Images Cell Signaling Technology 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
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