3608 Store at -20C

Phospho-TTF-1 (Ser327) Antibody

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

Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 42	Source: Rabbit	UniProt ID: #P43699	Entrez-Gene Id: 7080
Product Usage Information	We	oplication estern Blotting munoprecipitation			Dilution 1:1000 1:50	
Storage		oplied in 10 mM sodi C. Do not aliquot the		5), 150 mM NaCl, 10	00 μg/ml BSA and 50% g	lycerol. Store at –
Specificity / Sensitiv		Phospho-TTF-1 (Ser327) Antibody recognizes endogenous levels of TTF-1 protein only when phosphorylated at Ser327.				y when
Species predicted to react based on 100% sequence homology	6	use, Rat				
Source / Purificatior		noclonal antibody is idues surrounding Se			a synthetic phosphopept	ide corresponding to
Background	trar hav thyi tiss surf exp prin Res pho pho folli	scription factor families shown that TTF-1 roid, lung, and ventra ue specific, such as: factant proteins and ressed in malignant l search studies have usphorylation of TTF- sphorylation at these cular thyroid cell mo	ly, was initially disc plays an important al forebrain (2). TTF thyroglobulin, thyr clara cell secretory tumors of the thyro ung cancers (4-6). shown that activati -1 at multiple residu e residues was sho del (7). These findi	overed in the FRTL role in differentiatio -1 controls the exp operoxidase, and th protein in the lung oid and lung, and it is on of the Raf/MEK/R ues, including Ser18 own to suppress the ngs are consistent v), a member of the NKX -5 rat thyroid cell line (1) n and morphogenesis of ression of several genes e thyrotropin receptor in (2,3). Investigators have s commonly used as a m ERK signaling pathway m b, Ser327, and Ser337 (7 transcriptional activity of with previous studies der ed thyroid cells (8,9).	Subsequent studies the developing , some of which are the thyroid; and found that TTF-1 is narker for both esults in). Concomitant f TTF-1 in a rat
Background Refere	2. E 3. Y 4. V 5. Y 6. M 7. N 8. C	Civitareale, D. et al. (loggaram, V. (2009) 'amaguchi, T. et al. (2000) Vhithaus, K. et al. (2010) Alloldvay, J. et al. (2010) Alloldvay, J. et al. (2010) Alloldvay, J. et al. (2010) Cobellis, G. et al. (1910) Cupperman, E. et al.	Clin Sci (Lond) 110 2012) Cancer Cell 012) Arch Pathol L 11) Lung Cancer 72 04) Pathol Oncol R 00) Mol Cell Biol 20 98) Oncogene 17,	5, 27-35. 21, 348-61. <i>ab Med</i> 136, 155-62 2, 309-15. <i>es</i> 10, 85-8. 0, 2783-93. 2047-57.	2.	
Species Reactivity	Spe	cies reactivity is dete	ermined by testing i	n at least one appro	oved application (e.g., we	estern blot).
Western Blot Buffer		ORTANT: For wester 6 Tween® 20 at 4°C			ed primary antibody in 59	% w/v BSA, 1X TBS,
Applications Key Cross-Reactivity Ke		: Western Blotting IF	Immunoprecipita	tion		

1/1/24, 7:36 AM	 Phospho-TTF-1 (Ser327) Antibody (#13608) 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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