e at -20C	TrkA (D7U3A) Rabbit mAb		Cell Signaling	
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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: Re WB	eactivity: Sensitivit H Endogeno		Source/Isotype: Rabbit IgG	<b>UniProt ID:</b> #P04629	Entrez-Gene Id: 4914		
Product Usage Information	Application Western Blotting			<b>Dilution</b> 1:1000			
Storage	••		7.5), 150 mM NaCl, 100 o not aliquot the antibod	10 00	erol and less than		
Specificity / Sensitivit	y TrkA (D7U3A) Ral cross-react with T	° °	endogenous levels of tot	al TrkA protein. This ar	tibody does not		
Source / Purification		dy is produced by iming Arg780 of human	munizing animals with a TrkA protein.	synthetic peptide corre	esponding to		
Background	family members is BDNF or NT4, and physiological proc growth and pattern plasticity. TrkA reg system (2). Phosp kinase cascade (3 sites reflects TrkA (chimeras) cause in many malignan suggest that expres	highly conserved, the I TrkC by NT3 (1). Ne esses, such as cell su hing (1). In the adult n ulates proliferation ar horylation at Tyr490 is ,4). Residues Tyr674, kinase activity (3-6). I igand-independent re- cies including breast, ession of TrkA in neuro	ses consists of TrkA, Trk ey are activated by differ eurotrophin signaling thre urvival, proliferation, neu hervous system, the Trk nd is important for develo s required for Shc assoc /675 lie within the cataly Point mutations, deletior eceptor dimerization and ovarian, prostate, and the oblastomas may be a go	ent neurotrophins: Trk. bugh these receptors re- ral development, and a receptors regulate syna opment and maturation diation and activation of tic domain, and phosphas, and chromosomal re- activation of TrkA (7-1 hyroid carcinomas (8-1: bod prognostic marker	A by NGF, TrkB by egulates a number of axon and dendrite aptic strength and of the nervous the Ras-MAP norylation at these earrangements 0). TrkA is activated 3). Research studies		
Background Referenc	<ol> <li>Segal, R.A. and</li> <li>Stephens, R.M.</li> <li>Marsh, H.N. et a</li> <li>Obermeier, A. et</li> <li>Obermeier, A. et</li> <li>Obermeier, A. et</li> <li>Reuther, G.W. et</li> <li>Greco, A. et al.</li> <li>Pierotti, M.A. ar</li> <li>Lagadec, C. et al.</li> <li>Greco, A. et al.</li> </ol>	Greenberg, M.E. (19 et al. (1994) <i>Neuron</i> al. (2003) <i>J Cell Biol</i> 1 t al. (1993) <i>EMBO J</i> 1 t al. (1994) <i>EMBO J</i> 1 al. (2001) <i>Oncogene</i> t al. (2000) <i>Mol Cell B</i>	.63, 999-1010. L2, 933-41. L3, 1585-90. 20, 1229-34. Biol 20, 8655-66. osomes Cancer 19, 112 ancer Lett 232, 90-8. 28, 1960-70. crinol 321, 44-9.	19, 463-89.			
Species Reactivity	Species reactivity i	s determined by testir	ng in at least one approv	ed application (e.g., we	estern blot).		
Western Blot Buffer		vestern blots, incubate t 4°C with gentle shal	e membrane with dilutec king, overnight.	l primary antibody in 59	% w/v BSA, 1X TBS,		
Applications Key	WB: Western Blot	WB: Western Blotting					
Cross-Reactivity Key	X: Xenopus Z: zeb		r <b>Mk:</b> monkey <b>Vir:</b> virus dog <b>Pg:</b> pig <b>Sc:</b> S. cerev ies expected		-		

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Limited Uses

TrkA (D7U3A) Rabbit mAb (#30697) Datasheet Without Images Cell Signaling Technology

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