TrkA Antibody



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

Applications: W	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 140	Source/Isotype: Rabbit	UniProt ID: #P04629	Entrez-Gene Id: 4914
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		TrkA Antibody detects endogenous levels of total TrkA protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu232 of human TrkA protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		family members is highly BDNF or NT4, and number of physiologicand dendrite growth synaptic strength and maturation of the neactivation of the Rasphosphorylation at the chromosomal rearran activation of TrkA (7-1 thyroid carcinomas (8)	ghly conserved, the TrkC by NT3 (1). Ne cal processes, such and patterning (1). I plasticity. TrkA reg vous system (2). Ph MAP kinase cascade sese sites reflects Tr ngements (chimeras 0). TrkA is activatec 3-13). Research stud	es consists of TrkA, TrkB, y are activated by differe urotrophin signaling throas cell survival, prolifera in the adult nervous sysulates proliferation and osphorylation at Tyr490 (3,4). Residues Tyr674/6 kA kinase activity (3-6). For cause ligand-independent in many malignancies i ies suggest that express s growth arrest and differance.	ent neurotrophins: ough these recepto etion, neural develo tem, the Trk recept is important for de is required for Shc 675 lie within the ca Point mutations, de dent receptor dimen ncluding breast, ov sion of TrkA in neuro	IrkA by NGF, TrkB ors regulates a pment, and axon ors regulate velopment and association and atalytic domain, and letions, and arian, prostate, and oblastomas may be
Background References		 Huang, E.J. and Reichardt, L.F. (2003) <i>Annu Rev Biochem</i> 72, 609-42. Segal, R.A. and Greenberg, M.E. (1996) <i>Annu Rev Neurosci</i> 19, 463-89. Stephens, R.M. et al. (1994) <i>Neuron</i> 12, 691-705. Marsh, H.N. et al. (2003) <i>J Cell Biol</i> 163, 999-1010. Obermeier, A. et al. (1993) <i>EMBO J</i> 12, 933-41. Obermeier, A. et al. (1994) <i>EMBO J</i> 13, 1585-90. Arevalo, J.C. et al. (2001) <i>Oncogene</i> 20, 1229-34. Reuther, G.W. et al. (2000) <i>Mol Cell Biol</i> 20, 8655-66. Greco, A. et al. (1997) <i>Genes Chromosomes Cancer</i> 19, 112-23. Pierotti, M.A. and Greco, A. (2006) <i>Cancer Lett</i> 232, 90-8. Lagadec, C. et al. (2009) <i>Oncogene</i> 28, 1960-70. Greco, A. et al. (2010) <i>Mol Cell Endocrinol</i> 321, 44-9. Ødegaard, E. et al. (2007) <i>Hum Pathol</i> 38, 140-6. 				

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4° C with gentle shaking, overnight.

Applications Key W: Western Blotting

Cross-Reactivity Key H: Human M: Mouse R: Rat

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