Revision 1

NGF Antibody						
Stor	Orders:	877-616-CELL (2355) orders@cellsignal.com				
	Support	: 877-678-TECH (8324)				
2046	Web:	info@cellsignal.com cellsignal.com				
#	3 Trask Lane Danvers I	Massachusetts 01923 USA				
For Research Use Only. Not for Use in Diagnostic Procedures.						

Applications: W	Reactivity: H	Sensitivity: Recombinant protein	MW (kDa): 13	Source/Isotype: Rabbit	UniProt ID: #P01138	Entrez-Gene Id: 4803
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/Sensi	itivity	NGF Antibody detects recombinant NGF protein. It does not cross-react with other proteins.				
Species predicte based on 100% s homology	d to react equence	Mouse				
Source / Purifica	ition	Polyclonal antibodies residues surrounding	are produced by im Thr146 of human N	nmunizing animals with a NGF.	a synthetic peptide	corresponding to
Background		Nerve growth factor (growth factors that pr that bind and activate low affinity p75 (NTR) classically described a cells that contain p75 neurodegenerative co has an effect on non-r breast cancer cell grow targets for diseases.	NGF) is a small, sec omote neuronal ce TrkA high affinity r receptors, which be s favoring neuron s (NTR) and lack TrkA nditions, including neuronal cells and r wth (4-6). NGF signa	reted protein and memb Il survival and differenti eceptors to mediate NG elong to the death recep survival and differentiati M NGF can induce neuro Alzheimer's disease (3). nay help mediate inflam aling is looking increasin	ver of the neurotrop ation (1). Producing F-driven signaling. tor family (2). Altho on, NGF can promo n death in a variety Besides its neurotr mation, angiogene gly promising as p	ohin family of cells release NGF NGF also binds to ough NGF has been ote apoptosis in of ophic actions, NGF sis, and stimulate otential drug
Background Ref	erences	1. Lessmann, V. et al. (2. Neet, K.E. and Cam 3. Lorigados-Pedre, L. 4. Frossard, N. et al. (2 5. Nico, B. et al. (2008) 6. Descamps, S. et al.	(2003) Prog Neurob penot, R.B. (2001) C and Bergado-Rosa (2004) Eur J Pharmac Microvasc Res 75, (2001) J Biol Chem 2	niol 69, 341-74. Tell Mol Life Sci 58, 1021- do, J. (2004) <i>Rev Neurol</i> 3 col 500, 453-65. 135-41. 276, 17864-70.	35. 38, 957-71.	
Species Reactivi	ty	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Bu	ffer	IMPORTANT: For west TBS, 0.1% Tween® 20	ern blots, incubate at 4°C with gentle	membrane with diluted shaking, overnight.	primary antibody i	n 5% w/v BSA, 1X
Applications Key	/	W: Western Blotting				
Cross-Reactivity	Key	H: Human				
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