

## NGF Ab

[References\(11\)](#) [Images\(6\)](#)

Cat.#: DF6061	Concn.: ~1mg/ml	Mol.Wt.: 27kDa
Size:	Source: Rabbit	Clonality: Polyclonal
Application:	WB 1:500-1:2000, IHC 1:50-1:200 *The optimal dilutions should be determined by the end user.	
Reactivity:	Human, Mouse, Rat	
Storage:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.	
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).	
Immunogen:	A synthesized peptide derived from human NGF, corresponding to a region within the internal amino acids.	
Uniprot:	P01138	
Description:	Nerve growth factor (NGF) is a small, secreted protein and member of the neurotrophin family of growth factors that promote neuronal cell survival and differentiation. Producing cells release NGF that bind and activate TrkA high affinity receptors to mediate NGF-driven signaling. NGF also binds to a low affinity p75 (NTR) receptors, which belong to the death receptor family. Although NGF has been classically described as favoring neuron survival and differentiation, nerve growth factor can promote apoptosis in cells that contain p75 (NTR) and lack TrkA. NGF can induce neuron death in a variety of neurodegenerative conditions, including Alzheimer disease.	

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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