

Product datasheet for **TA388929**

NGF Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<p>Sandwich ELISA: To detect Humanbeta-NGF by sandwich ELISA (using 100 ul/well antibody solution) a concentration of 0.25 – 1.0 µg/ml of this antibody is required. This biotinylated polyclonal antibody, in conjunction with ProSci's Polyclonal Anti-Humanbeta-NGF as a capture antibody, allows the detection of at least 0.2 – 0.4 ng/well of recombinant Humanbeta-NGF.</p> <p>Western Blot</p> <p>To detect Humanbeta-NGF by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 ug/ml. When used in conjunction with compatible secondary reagents, the detection limit for recombinant Humanbeta-NGF is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.</p>
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Produced from sera of rabbits pre-immunized with highly pure recombinant Human beta-NGF. Anti-Human beta-NGF specific antibody was purified by affinity chromatography and then biotinylated.
Concentration:	lot specific
Purification:	beta-NGF specific antibody was purified by affinity chromatography and then biotinylated
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Database Link:	P01138



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Background:

beta-NGF is a neurotrophic factor structurally related to BDNF, NT-3 and NT-4. These proteins belong to the cysteine-knot family of growth factors that assume stable dimeric structures. beta-NGF is a potent neurotrophic factor that signals through its receptor beta-NGFR, and plays a crucial role in the development and preservation of the sensory and sympathetic nervous systems. beta-NGF also acts as a growth and differentiation factor for B lymphocytes, and enhances B-cell survival. The functional form of Recombinant Human beta-NGF is a non-covalently-linked homodimer of two 13.5 kDa, polypeptide monomers that each contain 120 amino acids and three disulfide bonds, which are required for biological activity.