

Product datasheet for **PP1010B1**

GDNF Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	Direct ELISA: To detect Human GDNF by direct ELISA (using 100 µl/well antibody solution) this GDNF antibody can be used at a concentration of ~1.0 µg/ml. Used in conjunction with compatible secondary reagents, allows the detection of at least 2000-4000 pg/well of recombinant Human GDNF. Sandwich ELISA: To detect Human GDNF by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.25-1.0 µg/ml of this antibody is required. This biotinylated polyclonal antibody, in conjunction with PeproTech's Polyclonal Anti-Human GDNF (Cat.-No PP1010P) as a capture antibody, allows the detection of at least 2000-4000 pg/well of recombinant Human GDNF. Western Blot: To detect hGDNF by Western Blot analysis this GDNF antibody can be used at a concentration of 0.1-0.2 mg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human GDNF is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	E.coli-derived, 30.4 kDa Recombinant Human GDNF (Cat.-No PA059)
Specificity:	Human Glial Derived Neurotrophic Factor.
Formulation:	PBS, pH 7.2 without preservatives. Label: Biotin State: Lyophilized purified Ig fraction. Label: conjugated
Reconstitution Method:	Restore in sterile PBS containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity chromatography.
Conjugation:	Biotin



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Storage: Store lyophilized at 2-8°C for 6 months or at -20°C long term.
After reconstitution store the antibody undiluted at 2-8°C for one month
or (in aliquots) at -20°C long term.
Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: ~150 kDa

Gene Name: glial cell derived neurotrophic factor

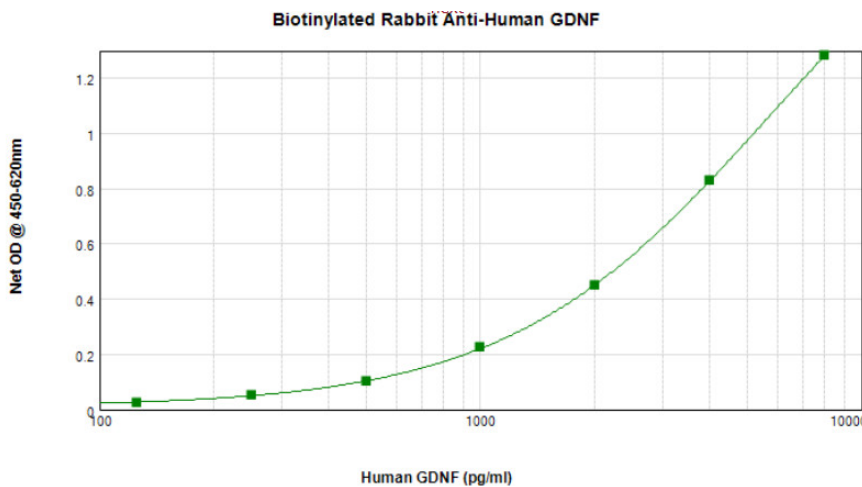
Database Link: [Entrez Gene 2668 Human P39905](#)

Background: Glial cell line derived neurotrophic factor (GDNF) is a highly conserved neurotrophic factor that is a distant member of the TGF beta superfamily. The GDNF gene product is processed to a disulphide-linked homodimer, which is a ligand for the RET protooncogene. GDNF protects and repairs dopamine-containing neurons, which degenerate in Parkinson's disease, and motor neurons, which die in amyotrophic lateral sclerosis. The use of GDNF in the treatment of Parkinson's disease has shown promise in the clinic. Treatment of spinal cord injuries with GDNF has also produced neurological improvement.

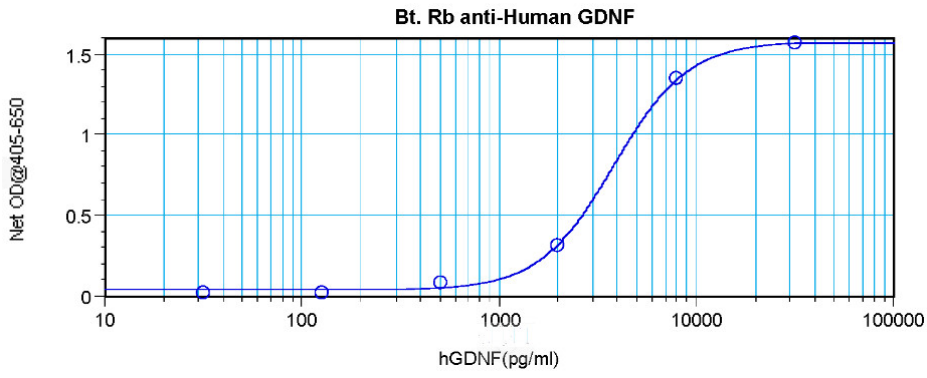
Synonyms: Glial cell line-derived neurotrophic factor, Astrocyte-derived trophic factor, ATF

Note: Centrifuge vial prior to opening!

Product images:



Sandwich ELISA using [PP1010B]



Direct ELISA using [PP1010B]