

Anti-GDNF Antibody Picoband® Cy3 Conjugated

Catalog Number: PB9069-Cy3

About GDNF

Glial cell line-derived neurotrophic factor (GDNF) is a glycosylated, disulfide-bonded homodimer that is a distantly related member of the transforming growth factor-beta superfamily. GDNF is also a potent neurotrophic factor that promotes the survival of dopaminergic neurones in cultures including embryonic neuronal cultures. In addition to its potential role in the differentiation and survival of central nervous system neurons, it has profound effects on kidney organogenesis and the development of the peripheral nervous system. GDNF may have utility in the treatment of Parkinson's disease, which is marked by progressive degeneration of midbrain dopaminergic neurons.

Overview

| | |
|----------------------|--|
| Product Name | Anti-GDNF Antibody Picoband® Cy3 Conjugated |
| Reactive Species | Human, Rat |
| Application | Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs. |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | P39905 |

Technical Details

| | |
|---------------------|---|
| Immunogen | E.coli-derived human GDNF recombinant protein (Position: S78-I211). Human GDNF shares 93% amino acid (aa) sequence identity with both mouse and rat GDNF. |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Cy3 Excitation Wavelength: 554 nm Emission Wavelength: 568 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users. |

4 Publications Citing This Product

1. PubMed ID: 24503145, Zhang X, Shi K, Li Y, Zhang H, Hao J. *Reprod Toxicol.* 2014 Jun;45:87-93. Doi: 10.1016/J.Reprotox.2014.01.009. Epub 2014 Feb 4. Lipopolysaccharide Inhibits The Self-Renewal Of Spermatogonial Stem Cells In Vitro Via Downregulation Of Gdnf Expression...
2. PubMed ID: 21738758, Li R, Xia W, Zhang Z, Wu K. *Plos One.* 2011;6(6):E21663. Doi: 10.1371/Journal.Pone.0021663. Epub 2011 Jun 27. S100B Protein, Brain-Derived Neurotrophic Factor, And Glial Cell Line-Derived Neurotrophic Factor In Human Milk.
3. PubMed ID: 29925387, Surface functionalization of TiO2 nanotubes with minocycline and its in vitro biological effects on Schwann cells

Visit bosterbio.com/anti-gdnf-picoband-trade-antibody-pb9069-boster.html to see all 4 publications.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-GDNF Antibody - Cy3

For Research Use Only. Not for use in diagnostic procedures.