

## Anti-Neurosecretory protein VGF VGF Antibody Picoband® Fluoro647 Conjugated

Catalog Number: PA1984-Fluoro647

### About VGF

VGF (VGF, Nerve Growth Factor-Inducible), is a protein and neuropeptide that may play a role in regulating energy homeostasis, metabolism. Canu et al. (1997) noted that rat Vgf encodes a predicted 70-kD polypeptide that shares similarities with the secretogranin/chromogranin family and is found in the secretory granules of subsets of neurons and endocrine cells. By fluorescence in situ hybridization, Canu et al. (1997) assigned the VGF gene to 7q22. Canu et al. (1997) demonstrated that the single-copy human VGF gene spans 6 kb of genomic DNA and contains 2 exons. The entire VGF protein is encoded by exon 2, while exon 1 contains only 5-prime untranslated sequence. The structural organization of the human gene is similar to that described for the rat VGF gene (Salton et al., 1991), and both the translated and the untranslated regions show a high degree of sequence homology to the rat gene.

### Overview

Product Name	Anti-Neurosecretory protein VGF VGF Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Human, Mouse, 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 <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	O15240

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human VGF, different from the related rat and mouse sequences by one amino acid.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.

Conjugate	Fluoro647 Excitation Wavelength: 650 nm Emission Wavelength: 665 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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