

Datasheet for ABIN501116
anti-VGF antibody (C-Term)

2 Images

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Overview

Quantity:	0.1 mg
Target:	VGF
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VGF antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	VGF antibody was raised against a 17 amino acid peptide near the carboxy terminus of the human VGF.
Isotype:	IgG
Specificity:	This antibody detects VGF.
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Affinity chromatography

Target Details

Target:	VGF
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Target Details

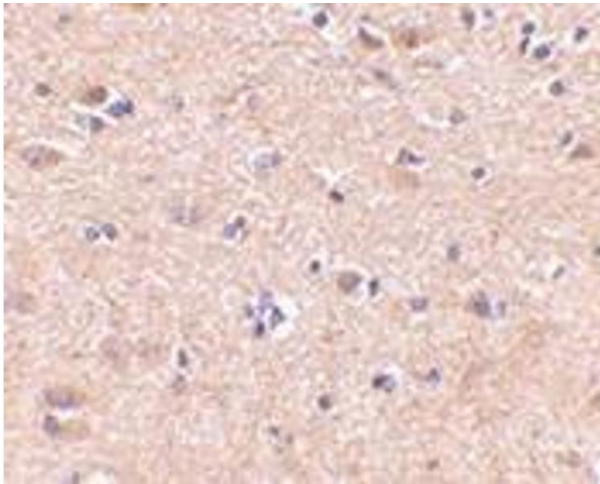
Alternative Name:	VGF (VGF Products)
Background:	<p>VGF was initially identified as a rapidly regulated gene product in nerve growth factor-treated PC12 cells. This protein is synthesized in neurons in the central and peripheral nervous system as well as in the pituitary, adrenal medulla, endocrine cells of the stomach, and pancreatic beta cells. VGF is thought to be involved in organism energy balance and regulation of homeostasis as mice lacking this gene show deficits in these areas. More recent results suggest that VGF is upregulated by brain-derived neurotrophic factor (BDNF) and can stimulate the proliferation of hippocampal progenitor cells and produce antidepressant-like behavioral effects, suggesting that this pathway may be a suitable target for therapeutic treatments. Synonyms:</p> <p>Neurosecretory protein VGF</p>
Gene ID:	7425
NCBI Accession:	NP_003369
Pathways:	Hormone Transport, Carbohydrate Homeostasis

Application Details

Application Notes:	<p>ELISA. Western blot: 0.5 - 1 µg/mL. Immunohistochemistry on paraffin sections.</p> <p>Other applications not tested.</p> <p>Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Restrictions:	For Research Use only

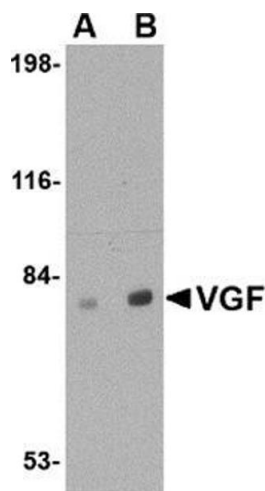
Handling

Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of VGF in human brain with this product at 5 µg/ml.



Western Blotting

Image 2. Western blot analysis of VGF in human brain tissue lysate with this product at (A) 0.5 and (B) 1 µg/ml.