


### Anti-VGF antibody ab115609

[1 References](#) [2 Images](#)

#### Overview

<b>Product name</b>	Anti-VGF antibody
<b>Description</b>	Rabbit polyclonal to VGF
<b>Host species</b>	Rabbit
<b>Specificity</b>	The immunogen is after amino acid 577 of O15240, so the antibody should only cross-react with full-length VGF and none of the processed peptides.
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	17 amino acid peptide near the carboxy terminus of the Human VGF.
<b>Positive control</b>	Human Brain Cortex tissue; Human Brain tissue lysate.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.4 Preservative: 0.02% Sodium azide Constituent: 0.99% PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab115609 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.5 - 1 µg/ml. Predicted molecular weight: 67 kDa.
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## Target

### Function

May be involved in the regulation of cell-cell interactions or in synatogenesis during the maturation of the nervous system.

NERP peptides are involved in the control of body fluid homeostasis by regulating vasopressin release.

### Tissue specificity

Central and peripheral nervous systems, synthesized exclusively in neuronal and neuroendocrine cells.

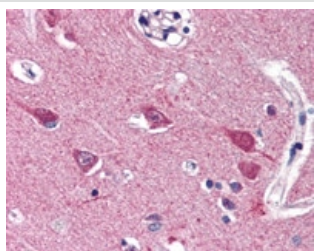
### Post-translational modifications

Multiple peptides are derived from VGF, with activities in synaptic plasticity, antidepressant, penile erection, autonomic activation, and increases in energy expenditure.

### Cellular localization

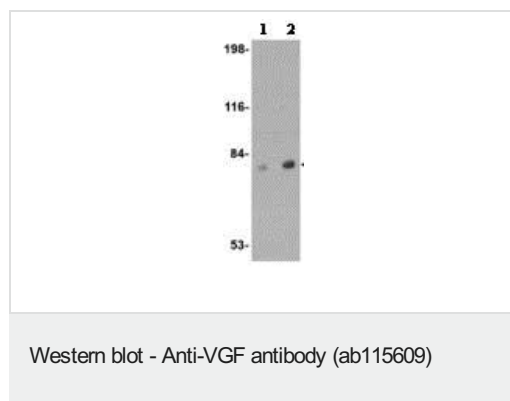
Secreted. Cytoplasmic vesicle > secretory vesicle. Stored in secretory vesicles and then secreted, NERP peptides colocalize with vasopressin in the storage granules of hypothalamus.

## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VGF antibody (ab115609)

ab115609, at 5µg/ml, staining VGF in Formalin-fixed, Paraffin-embedded Human Brain cortex tissue by Immunohistochemistry followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.



**Lane 1 :** Anti-VGF antibody (ab115609) at 0.5 µg/ml

**Lane 2 :** Anti-VGF antibody (ab115609) at 1 µg/ml

**All lanes :** Human Brain tissue lysate

**Predicted band size:** 67 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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